xCLASS

Advanced Multimedia System

User Manual

Multimedia Classroom Management Software

For computer classroom control

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Support Vista

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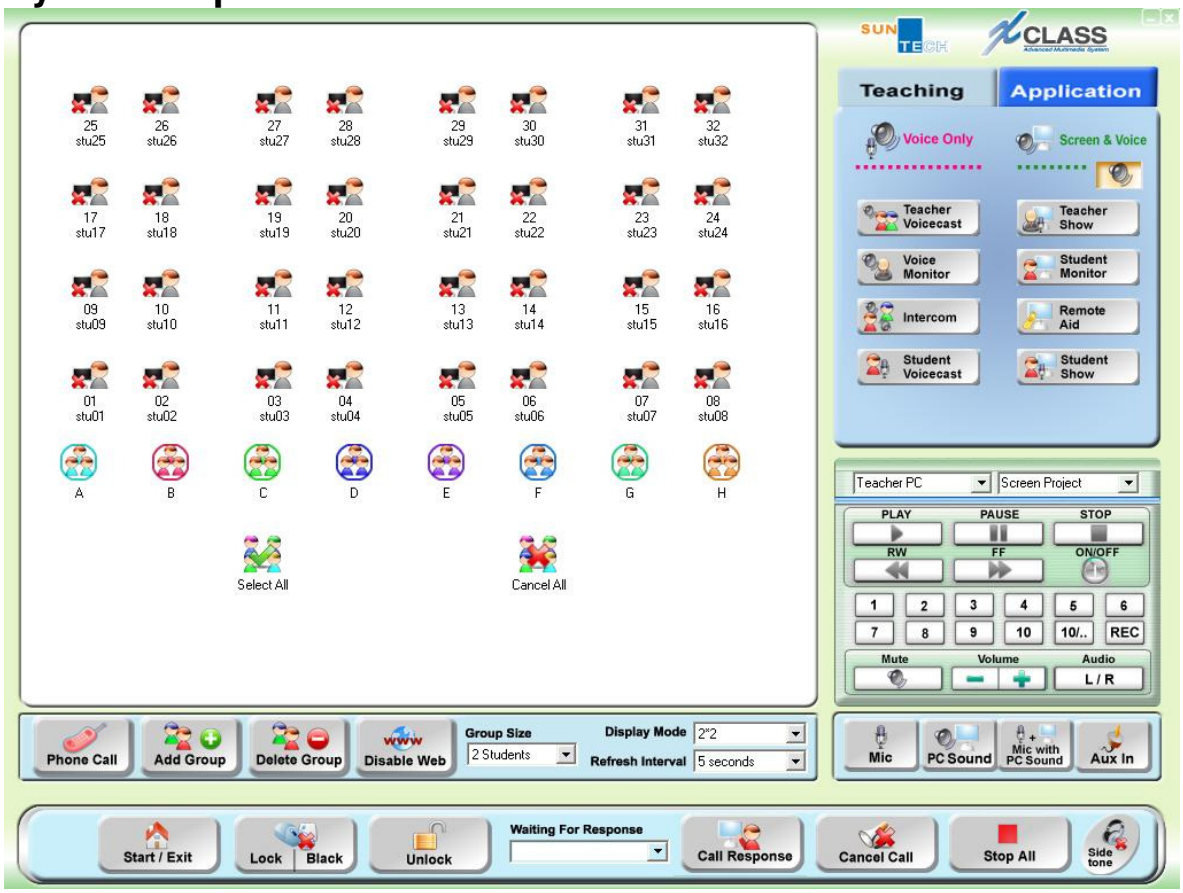
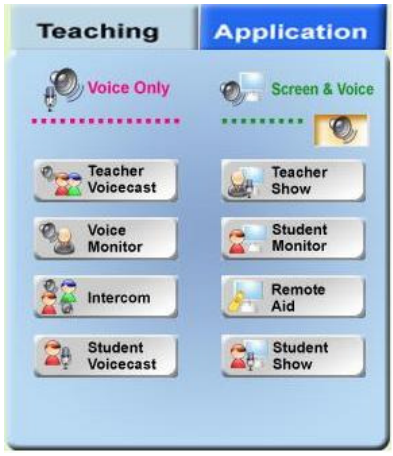
XCLASS Control System

System Map





Teaching Panel

Application Panel

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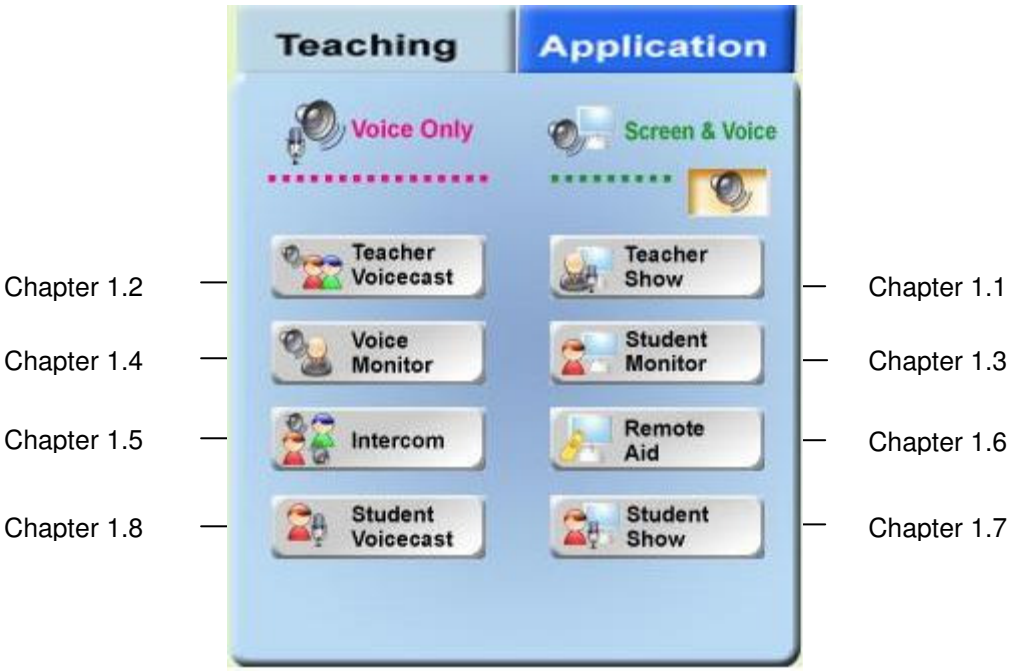
Chapter 1 Teaching Panel

<Teacher Show>	Allows teacher to broadcast the PC screen and voice to selected students;
<Teacher Voicecast>	Allows teacher to have voice broadcasted to selected students;
<Student Monitor>	Allows teacher to “stroll’ around the classroom
<Voice Monitor>	Allows teacher to listen to the activities of students are engaging on;
<Intercom>	Allows teacher to commute with any selected student at one time.
<Remote Aid>	Empowers teacher with the ability to remote control selected student’s PC, which makes interactive guidance possible;
<Student Show>	Allows teacher to relay the selected student’s PC screen together with his/her voice to other students.
<Student Voicecast>	Allows teacher to broadcast the selected student’s voice to other students via headsets.

Locating Teaching Panel function keys

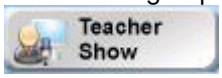


1.1 Teacher Show

Teacher show is one of the major functions in XCLASS. With the Teacher show, teacher can broadcast the multimedia messages from the computer screen to any students, a group of students, or all students in real-time. Once teacher starts the Teacher show, screen is broadcasted to student computers. Students can view from their computer screens for whatever is displayed from the teacher computer in real-time.

How to use Teacher Show:

1). Select student or groups to receive Teacher’s screen and voice.

2). Click 

from the <Main Panel>.

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3). The main <Classroom Control Panel> will be minimized and the small icon will remain on the Windows taskbar (in single monitor setting).

4). Teacher can convey the screen messages to students.

5). Move the mouse pointer to the top right hand corner of the screen, to prompt the <Teacher Show> Toolbar as long as the pointer stays on it (Figure 1.1)

6). Click to exit <Teacher show>.

7).

Figure 1.1 Teacher Show Toolbar

The <Teacher Show> toolbar consists of useful features that help teacher carry out a smoother lesson.

1.1.1 Smart Pen

The Smart Pen is a marker tool. It provides tools of drawing, typing, editing, deleting and some useful items for presentation.

1). Click <Smart Pen> from the <Teacher show> Toolbar.

2). The <Smart Pen Tool> screen will appear as (Figure 1.1.1a).

3). Click any drawing tools from the Annotated Demonstration Tool to start demonstration as in (Figure 1.1.1b).

4). Move the mouse pointer to the Tool to view the hints of function.

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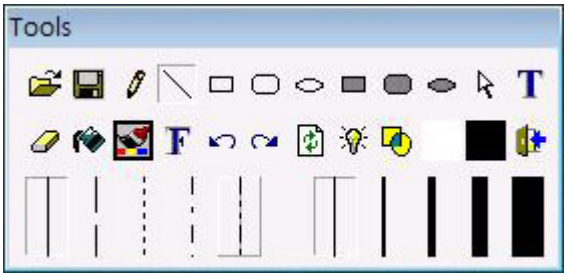

Figure 1.1.1a Annotated Demonstration Tool

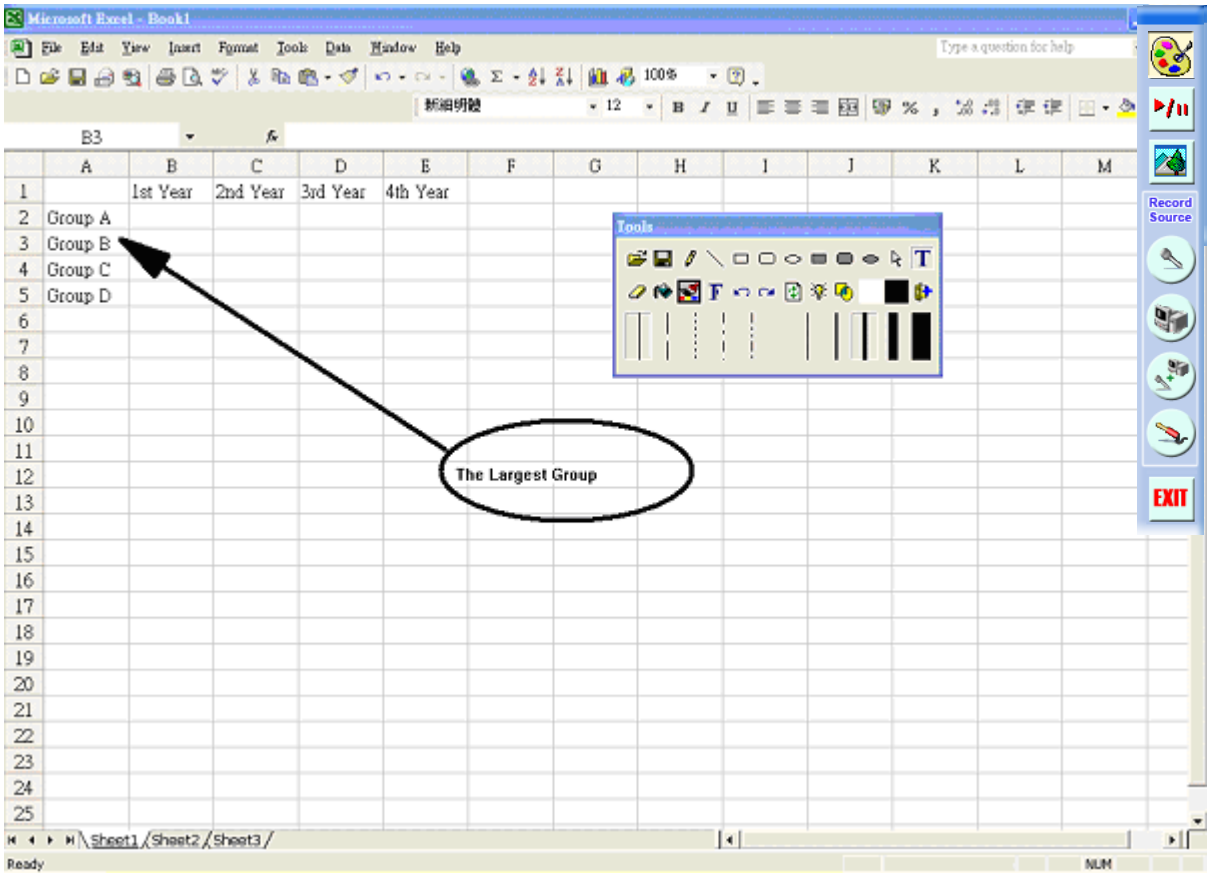

Figure 1.1.1b Smart Pen Tool

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Some hints:

- Click to open file.
- Click to save the drawing outcomes.
- Click to erase the unwanted drawing outcomes.
- Click to undo or redo the last change.
- Click to remove all drawing outcomes on the current screen.
- Click to change the text font, font size, and font style.
- Click to type the words or numbers on the screen.
- Click to get the blackboard on the screen.
- Click to get the whiteboard on the screen.
- Left click another colour on the palette for foreground colour change.
- Right click another colour on the palette for background colour change.
- Tick check box to get the transparent effect for the drawing outcomes.
- Tick check box to blink the next drawing outcome a several times.
- Click to exit the Smart Pen Tool.

1.1.2 Pause Screen Broadcasting

The pause <Screen Broadcasting> function allows a presenter to control the flow of this presentation.

- Click <Continue/Pause> to have the icon convex to pause the broadcasting.
- Click <Continue/Pause> to have the icon concave to continue the broadcasting.

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1.1.3 Window Mode Projection

Teacher determines whether to broadcast the multimedia messages to student computer screens in full window mode or in half window mode. Students can adjust the window arrangement and easily follow the step-by-step practice under the guidance of teacher.

The default screen will be displayed in full window. Click on the Teach show Toolbar to activate the window mode projection in student screens.

In window mode projection, teacher screen and student screen neatly fit each other in student computer screens, e.g. the upper half of the screen displaying the teacher's screen and the lower half of the screen displaying the program in use (Figure 1.1.3).

Students can adjust the size and position of the teacher's projection window screen and place it on the desktop according to their own desire.

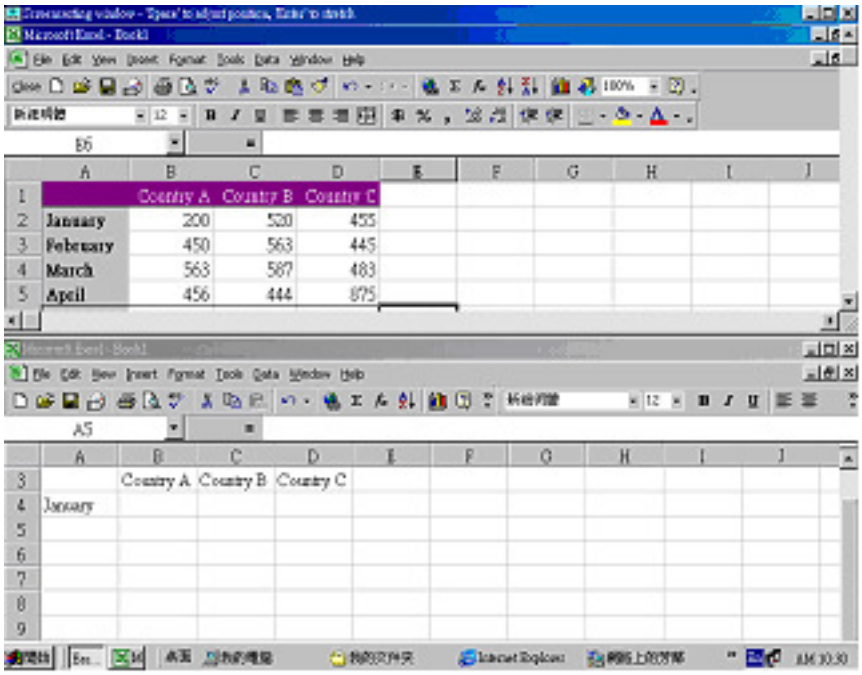

Figure 1.1.3 Window Mode Projection (Student's Screen)

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1.1.4 Demonstration with Audio

Teachers can choose to demonstrate their computer's screen operation with images and sounds to Student computers. The default recording device is microphone; however, teachers can specify different recording device in "Record Source". Select the relevant recording source by clicking the following button:

- Click <Microphone> to broadcast microphone sound (via headset).
- Click <PC Sound> to broadcast PC's sound.
- Click <Mic with PC Sound> to broadcast teacher's microphone with PC's sound.
- Click <Line In> to broadcast to let students to receive AV voice sources.

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1.2 Teacher Voicecast

Teacher can broadcast the real-time voice messages to any students, a group of students, or all students.

1. Select students (individuals, group, or all) from the main screen.
2. Click

and

will appear at the upper right hand corner of the screen. (Figure 1.2a)

Figure 1.2a Voicecast Toolbar

3. Choose

from the control panel to let students to receive AV voice sources. (Figure 1.2b)

Figure 1.2b Select voice sources

4. Choose

from the control panel to let students to receive teacher's own voice (from headset). (Figure 1.2b)
5. Choose

from the control panel to let students to receive teacher PC's voice. (Figure 1.2b)
6. Choose

from the control panel to let students to receive teacher's microphone with PC's sound. (Figure 1.2b)
7. Click

to quit.

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1.3 Student Monitor

Teacher can simultaneously view up to 32 student screens in real-time (individual students, a group of students, or all students) through his/her own computer in full screen mode or in multiple-window mode. If the number of logged on students is more than 16 (in single monitor setting) or 32 (in dual monitor setting) in class, teacher can set the system to have their screens monitored in a preset polling time.

1.3.1 Basic Keys

1). Select student icons to have their screens to be monitored (individual, group, or all).
2). Click <Student Monitor> from the control screen. (Figure 1.3.1a)
3). Teacher screen will display the selected student screen (Figure 1.3.1b).
4). Click from the control box of selected student to have the full screen monitoring (Figure 1.3.1c).

Figure 1.3.1a

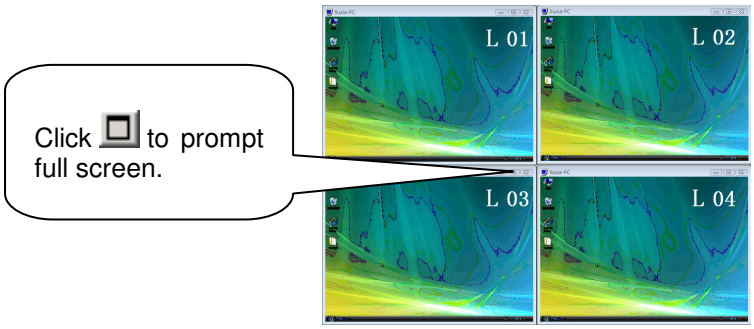

Figure 1.3.1b

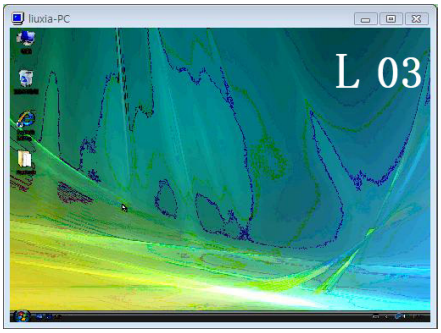

Figure 1.3.1c

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1.3.2 Monitor Setting

Using the right click function in Monitor, teacher can find its context menu with various functions for monitoring student screens in his/her own console. (Figure 1.3.2)

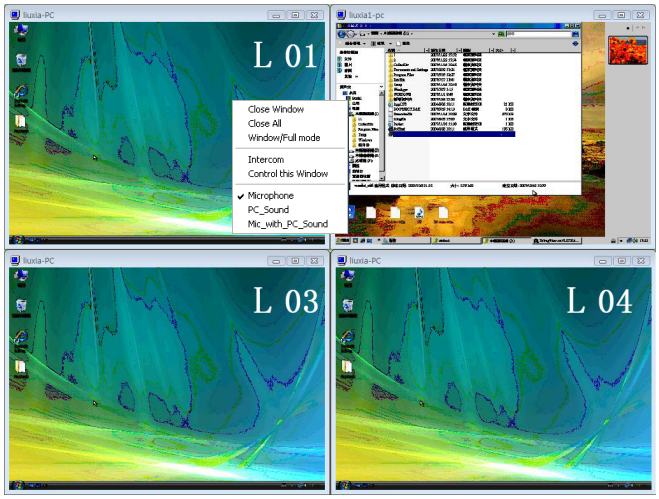

Figure 1.3.2 Context Menu

1.3.3 Resizing Monitoring Screens

To adjust the window size of monitored screens displayed on your screen, move your mouse pointer to the edge of the monitored window until the pointer changes to a double-ended arrow, then click and drag to resize the window as desired.

For full screen display, right-click the mouse button on the target student's screen and select <Window/Full Mode> from the context menu.

1.3.4 Exit Student Monitor

1). To close a targeted student screen, right-click the monitored screen, and then select <Close Window>.

2). To close all monitored screens, select <Close All>

1.3.5 Control Student

To remote control a currently monitored student screen, right-click on the monitored screen, and then select <Control this Window>.

1.3.6 Intercom with Student

To start intercom with selected student during monitoring, right-click on the monitored screen, and then select <Intercom>.

1.3.7 Listen to Monitoring Student

By selecting one of the monitored screen & right-click the mouse, you can listen to the speech of the student via your headset by choosing <Microphone>; to the sound that is playing in the student PC by choosing <PC Sound>; and both speech of the selected student and sound on the PC by choosing <Mic with PC Sound>.

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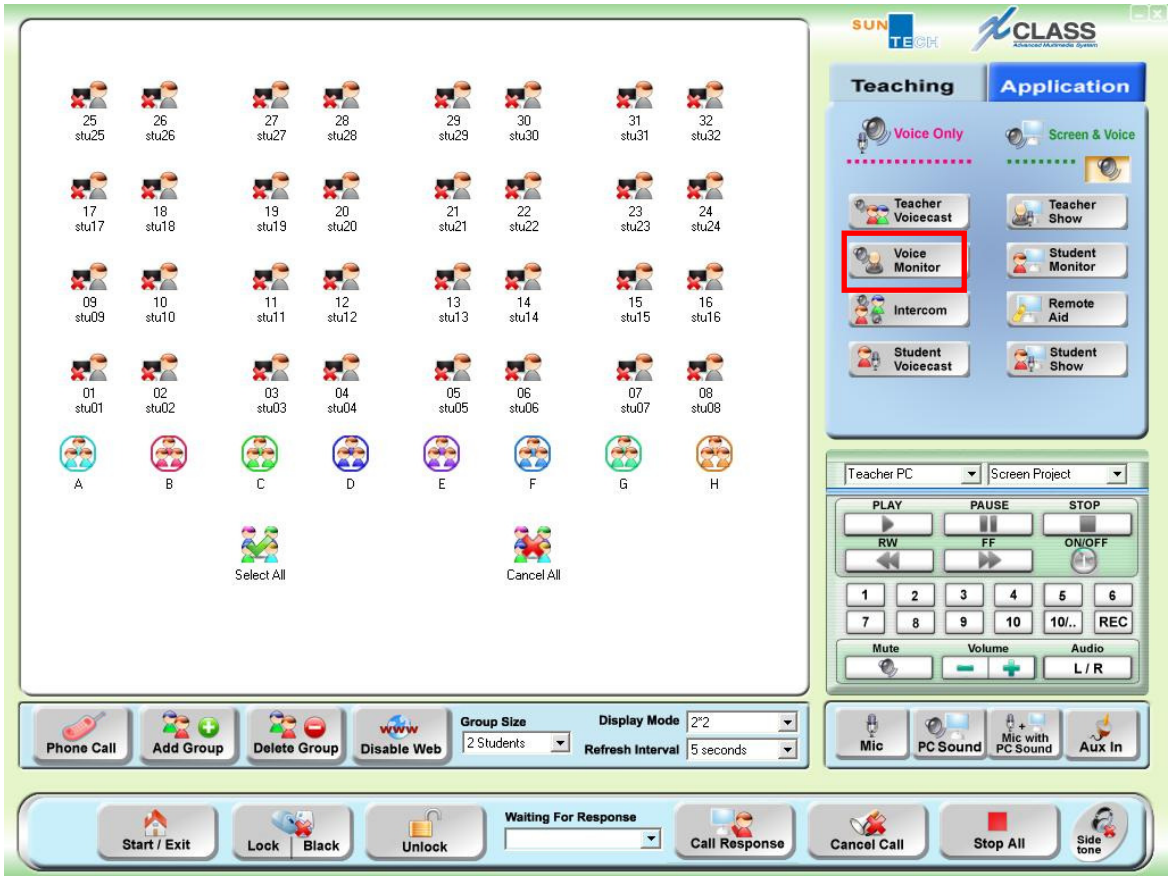
1.4 Voice Monitor

Teacher can listen to the speech of the student via the headset by choosing <Voice monitor>. Simply select one student, and click <Voice Monitor> so as to hear the student 's voice by default. Click the <PC Sound> or <Mic with PC Sound> button to select monitoring student PC's sound or both voice and PC's sound respectively.



1.5 Intercom

Teacher can create the real-time intercom with selected student through the network without disturbing other students.

Select a student to have the intercom with teacher from the main screen.

Click <Intercom> and prompt to the following screen at selected student PC (Figure 1.5).

Click <End> to finish the Intercom.

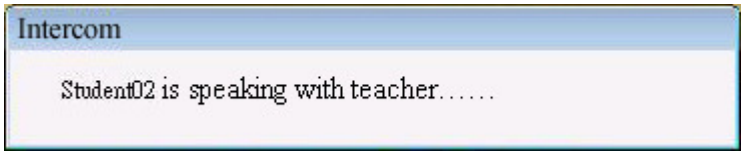


Figure 1.5 Intercom

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1.6 Remote Aid

By using <Remote Aid>, the teacher can help any logged-on student in a remote but interactive Talk & Lead manner. Teacher can take remote control of any one student's computer and work on it in the same way as if running on his/her own computer. Please note that the selected student's keyboard and mouse is locked by default once teacher applies the <Remote Aid> command to a particular student.

In some cases, teacher would find students uneasy to disclose their learning problems. Either as the result of being shy or simply uninterested, then teacher may apply this guidance function to help. Using this mode, teacher can commute with the student via headsets, lead and give feedback while teacher control and let the student practice if necessary.

1). Select a student on the Classroom Control Panel;

2). Click <Remote Aid> from the main screen. The teacher's computer will receive the monitored student's computer screen (Figure 1.6a) Note that the control bar will appear on the top right hand corner of the displayed student screen.

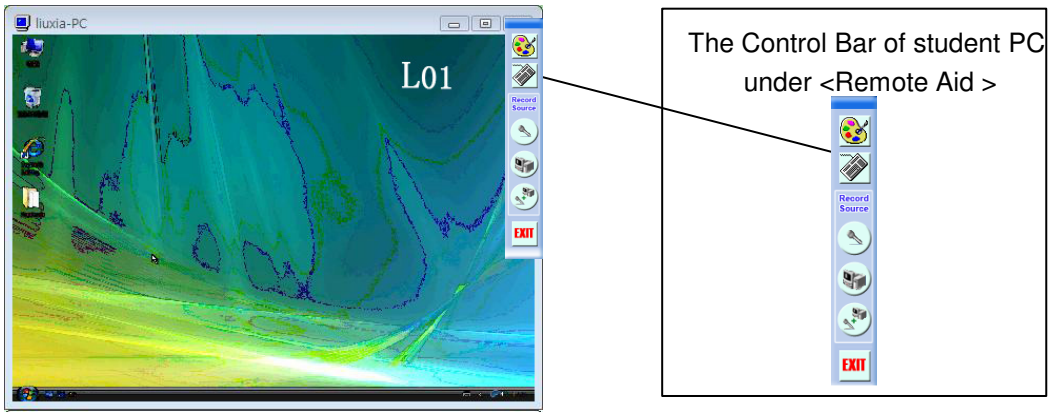

Figure 1.6a

3). Click the <Lock> icon to lock and unlock student's keyboard and mouse. (Figure 1.6b)

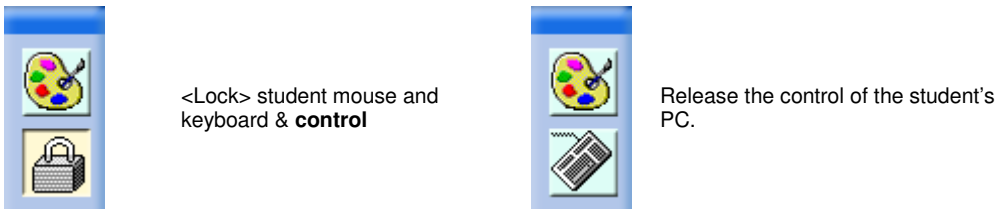

Figure 1.6b

4). Like Teacher Show, Smart Pen function is also available during controlling.

5). Student's microphone will be turned on by default for interactive talking with Teacher. Click the following buttons on the toolbar to select other student's sound sources remotely.

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Click <Microphone> to select student microphone.

Click <PC Sound> to select student PC's sound.

Click <Mic with PC Sound> to select both student's microphone with PC's sound.

6). Click <Exit> from the status bar to return to the main screen.

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1.7 Student Show

A student can carry out a presentation by broadcasting his / her voice and PC screen to the targeted students' headsets and PC screens. (Figure 1.7)

1). Select a student from seating plan;

2). Click

from the <Teaching> sub panel.

3). Select receivers to receive the monitored student's computer screen and voice. Besides, they could receive the teacher's voice too.

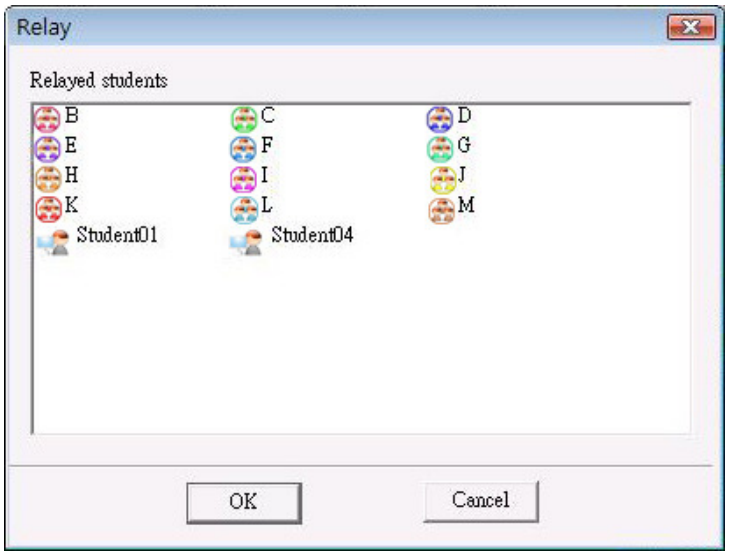
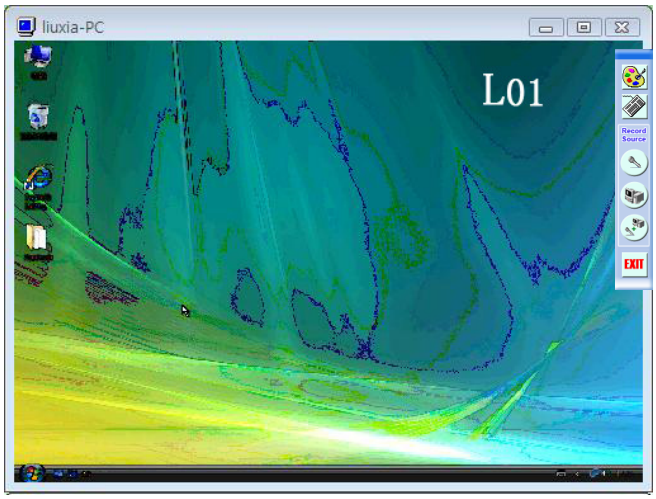


Figure 1.7

4). Click

to start Student Show.

5). The control bar will appear on the top right hand corner of the displayed student screen.



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1.8 Student Voicecast

A student can have his / her voice broadcasted to the selected audience via headset. (Figure 1.8)

1). Select a student from seating plan;

2). Click

from the main screen

3). Select audience to receive the voice.

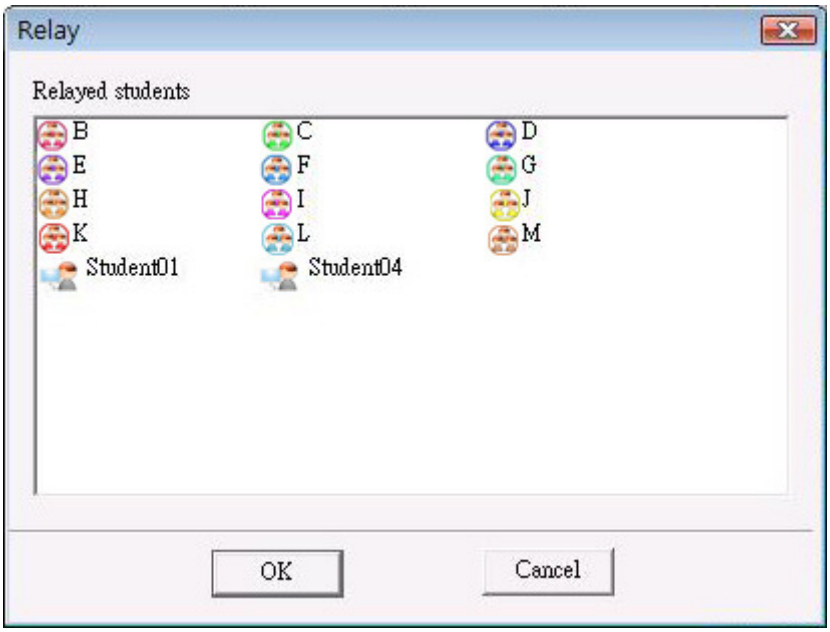

Figure 1.8

4). Click

to start <Student Voicecast>.

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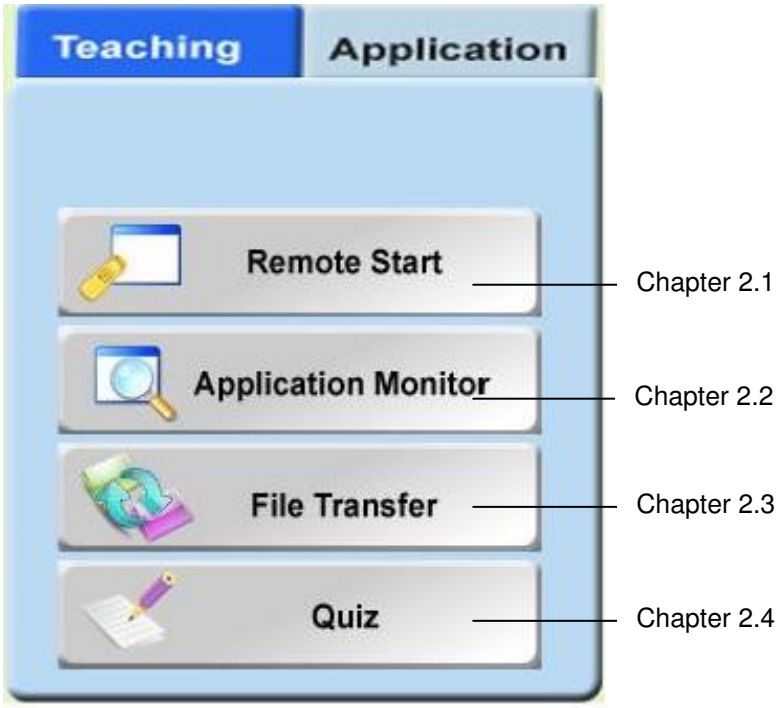
Chapter 2 Application Panel

<Remote Start>	allows teacher to remote open various applications and websites at selected Student PCs;
<Application Monitor>	shows all students' current application and allows teacher to remote terminate or disable selected students' application programs or websites.
<File Transfer>	allows teacher to send and receive files from students' PC.
<Quiz>	provides a mean of assessment or evaluation of students' learning during the lesson.

Locating Application Panel function keys:



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2.1 Remote Start

XCLASS allows teacher to send remote command to run programs in student computers from his/her own console.

2.1.1 Remote open Programs

1. Select student (individual or group) to receive command.
2. Click <Remote Start> and choose the program from the context menu. (Figure 3.2.1)
3. A '✓' will appear besides the name of the program and the program will be run in student computers.
4. To close the program, click <Remote Start> again and choose the program to be closed.

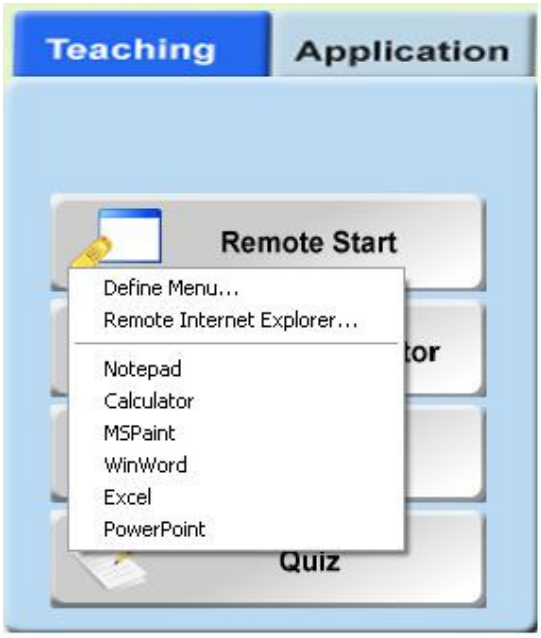

Figure 2.1.1 Remote Start

2.1.2 Remote open Websites

1. Select student (individual or group) to receive command.
2. Click <Remote Start> and choose the program from the context menu.
3. Click "Remote Internet Explorer" to pop up this diagram.
4. Enter or search the previous website address teacher would like to open for students. (Figure 3.2.2)
5. The corresponding website will be automatically opened in student computers.

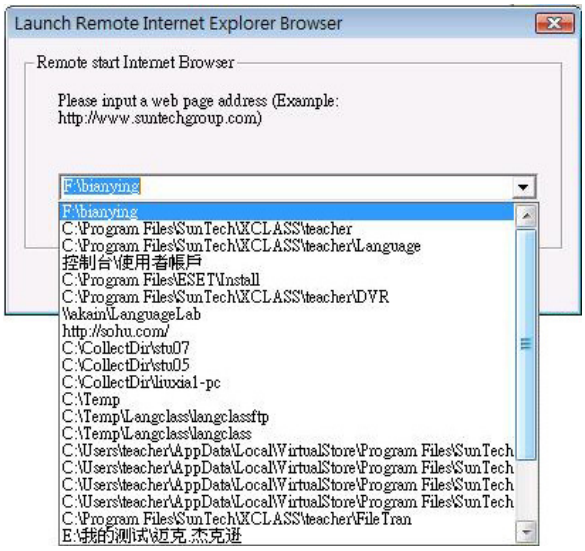

Figure 2.1.2

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2.1.3 Edit the context menu

1). Click Application panel <Remote Start> and choose the program from the context menu.
2). Click “Define Remote Menu” to pop up this diagram. (Figure 2.2.3a)
3). Click “Add” button to add either programs or websites to the context menu. (Figure 2.2.3b)
4). Click “Browse” from the column of “Program Path” to search for the execute command of the programs or I.E. (Figure 2.2.3c)
5). Create the name of the corresponding programs or website on the “Menu Name” column.
6). If teacher wants to add a website, teacher should enter the website address at “File Path”.
7). Click “OK” to finish and the program or website will be added in the context

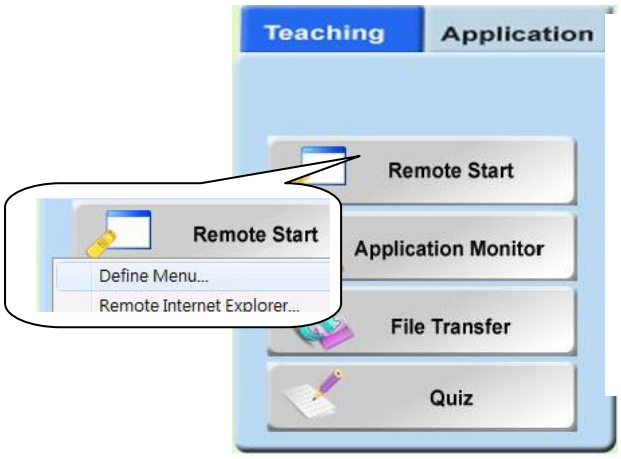

Figure 2.1.3a Define Remote Menu

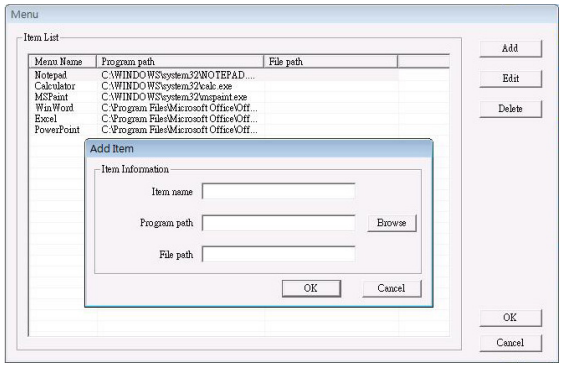

Figure 2.1.3b Add to the context menu

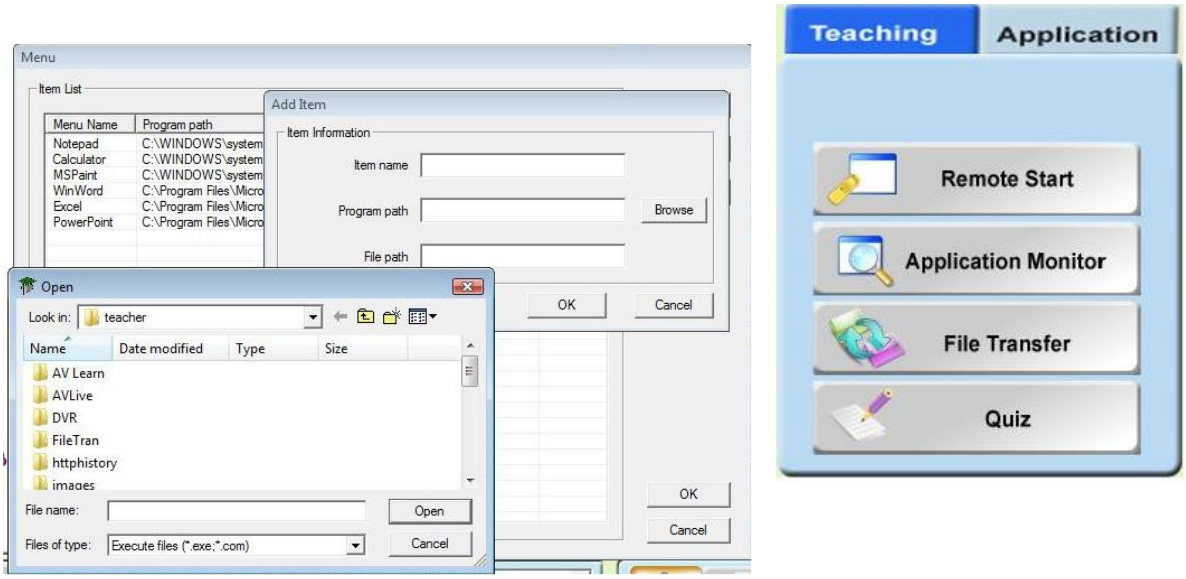

Figure 2.1.3c Browse the program command

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2.2 Application Monitor

XCLASS system consists a screen monitor function to monitor each student monitor from teacher computer. However, it is not efficient to monitor each student one by one. Hence, the Application Monitor is developed to monitor the student's current processing task.
Click the button of Application Monitor on the control panel; an Active Process Monitor Window will be popped up. Then, all of the selected student will be showed inside the Window. It can be seen that which application is running by that student. (Figure 2.3)

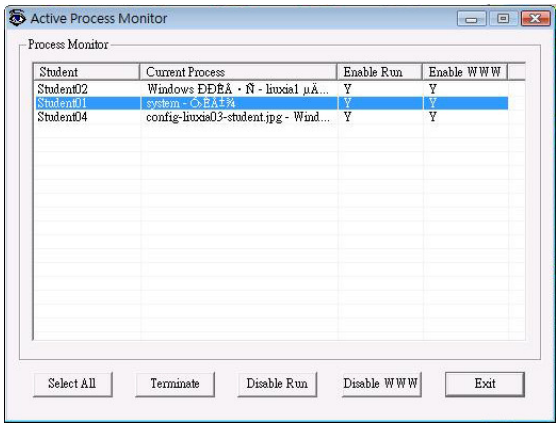

Figure 2.3 Application Monitor

2.2.1 Application program termination

1). Select the student(s) that wants to terminate the current application program.

2). Click the button of Terminate.

A question will be asked to confirm the termination of current application process. Click OK to confirm the termination, Cancel to cancel the termination.
3).Click Exit to end the Application Monitor function and all the function will be restored.

2.2.2 Disable running other application programs

1).Select the student(s) that wants to disable running other application programs.

2).Click the button of Disable Run.

Student(s) cannot run other application programs so that they only can concentrate on the current application program or job.
3). The list will show the status of the students that they are in Disable Run mode or not.
4). Click Exit to end the Application Monitor function and all the function will be restored.

2.2.3 Disable browsing from the Internet

1). Select the student(s) that wants to disable access to the Internet.

2). Click the button <Disable

If student(s) open the Internet Explorer to browsing from the Internet, he/she will not successful to access the Internet.
3). The list will show the status of the students that they are in <Disable WWW> mode or not.
4). Click <Exit> to end the <Application Monitor> function and all the function will be restored.

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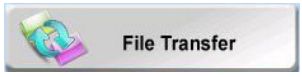
2.3 File Transfer

Teacher can transfer one or multiple files/folders to any selected students. The files/folders selected will then be copied to the designated location of Student computers. Conversely, teacher can also receive a file/folder from Students stored in the designated location under own control.

2.3.1 Sending File

1). Click <File Transfer> 

from the XCLASS control panel and prompt to the File Transfer window as below (Figure 2.4.1a).

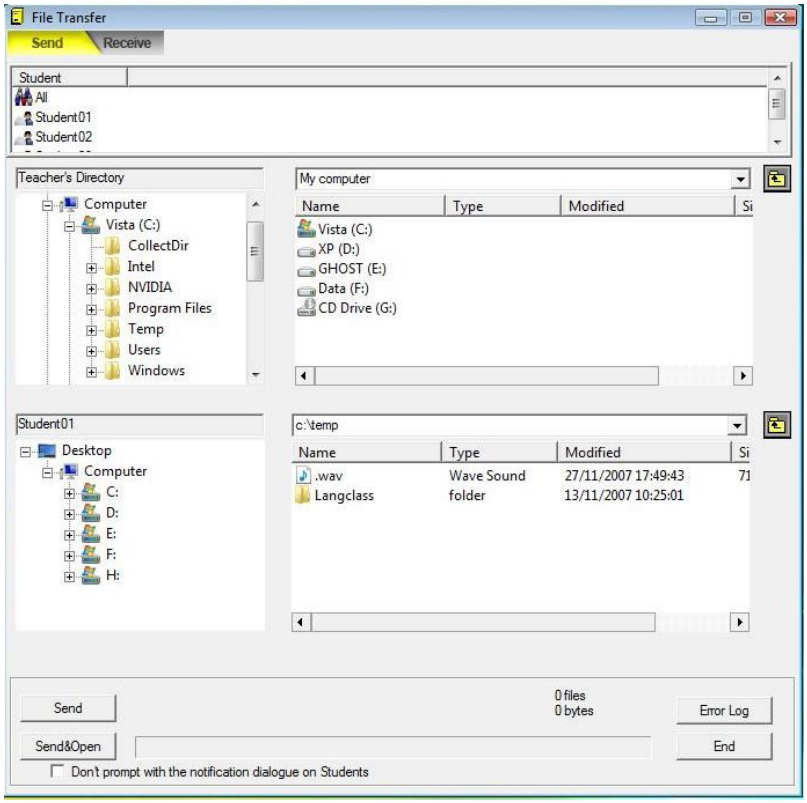


Figure 2.4.1a File Transfer

2). Click

nd files/folders to Student(s).

3). Select Student icons to receive Teacher's particular files/folders.

4). Select the files/folders to be sent from the appropriate location. In the source session pane, Teacher can either input its location in the text box besides the Teacher's Directory, click <Up one level> to search it from the current folder or browse from the directory tree to specify another location and file on the Teacher computer.

5). Select or input the location of the file received by students in the text box besides the Students' Directory under destination session pane, click <Up one level> to search it from the current folder or browse from the directory tree to specify a new folder for the transmitted file saving in student computers.
Remark: Teacher's and Student's default selected paths can be predefined under the "FileTrans.ini".

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6). Click

to send the file(s)/folder(s) to Students.

7). Click

to send the file and launch it remotely with associated program on the selected Student computers.

8).Click

to check for any error during the file transferring process.

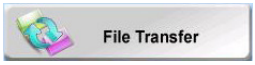
9).Click

or
to close the File Transfer window.

Note: Select “Don’t prompt with the notification dialogue on Students” option to skip the notification dialogue display on Student(s) after the transferring process.

2.3.2 Receiving File

Teacher can collect the work of Students by the <Receive> function under <File Transfer>.

1). Click <File Transfer> 

from the <Application> sub-panel.

2). Click

tab under the File Transfer window.

3). Select student icons by whom to send teacher file/folder.

4). If files or folders were previously sent to students during this session, the source (Student’s) and destination (Teacher’s) section pane displays records of the distributed files or folders.
To collect only recently sending files/folders, make no changes in the source and destination sections. If not, input/browse to select the file/folder to be collected from Student computer into the source section.

5). In the destination section pane, select the file location of the Teacher computer to be receiving the file/folder from Student’s.

6). Enable the “Delete file(s) on Student after receive” option to delete file on Student PC remotely after the receiving process.

7). Click

to collect the selected file/folder and the system will assign different folders from each student under the directory of the designated path for the file storage.

8). Click

or
t to close the File Transfer window.

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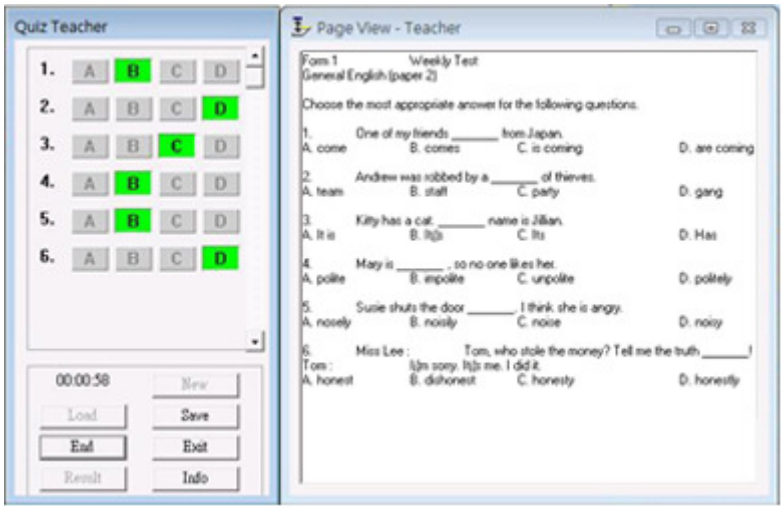
2.4 Quiz

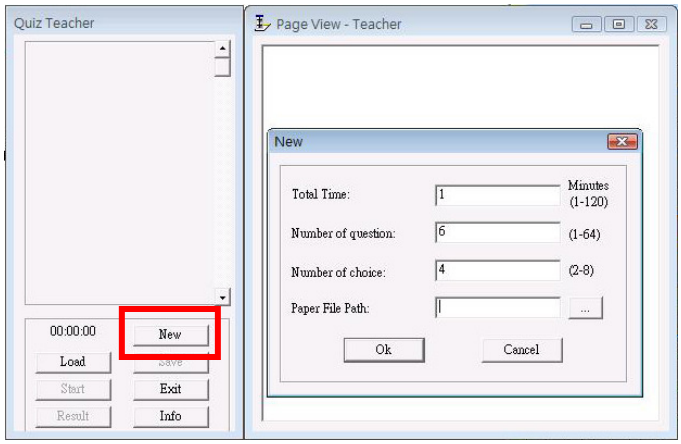


<Quiz> is an easy-to-use assessment instrument. As you will see, it is enjoyable to use from both teacher's and students' point of view. <Quiz> provides an all-at-once real time test for the whole class or a selected group of students. It monitors the test time and marks the questions for the teacher.

How to use <Quiz>

1). To start, click to the <Quiz> button in Teacher control panel.

2). Click <New> button from the <Quiz> panel to monitor the quiz and load the pre-set test paper.



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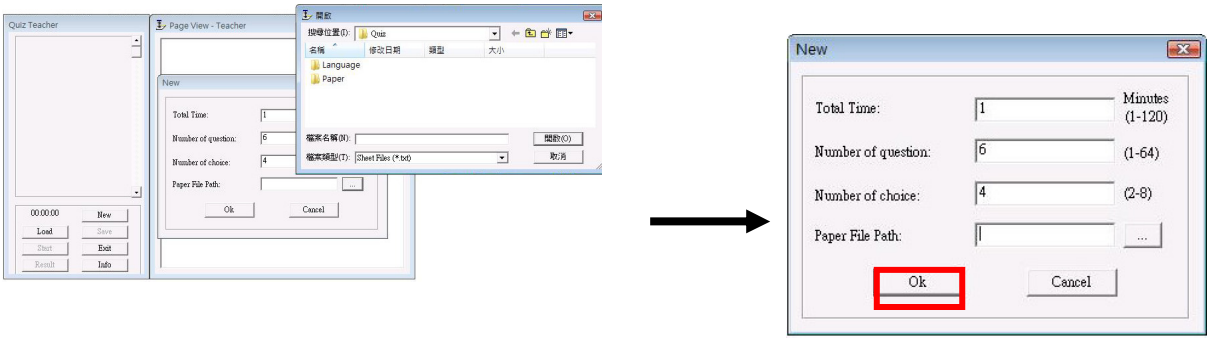
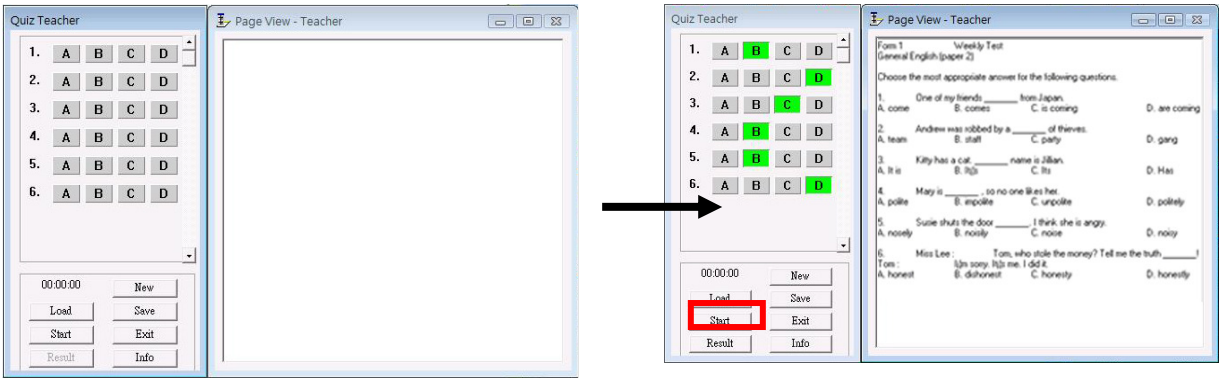
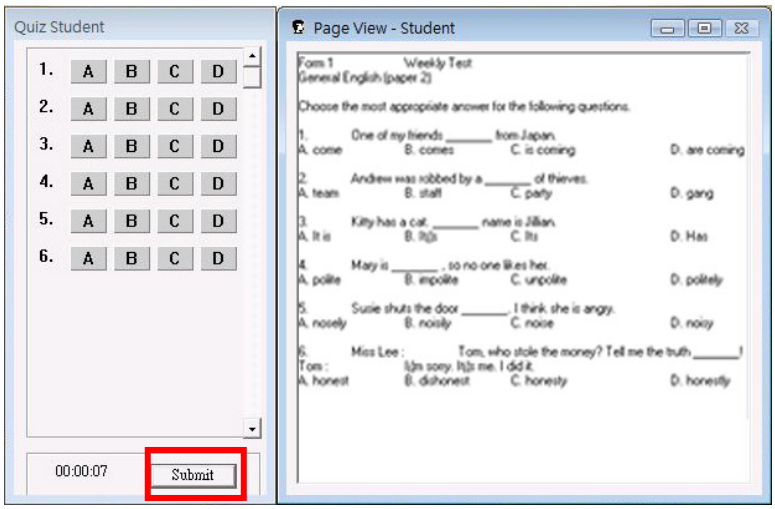
3). Load the pre-set test paper from the directory and click <OK> in the monitor panel to confirm.



4). Now teacher will have the questions loaded in the question plate. Set the suggested answer keys to the marking device and click <Start> to begin the quiz.



5). Student now will see the full <Quiz> panel with the questions displayed on the question plate. (Of course, they won't see the answers as teacher defined!) Once the quiz starts, the timer will begin to monitor. When time is up, students' work will be submitted automatically. Otherwise, students who have completed the quiz may click the <Submit> button to send their work to teacher PC.



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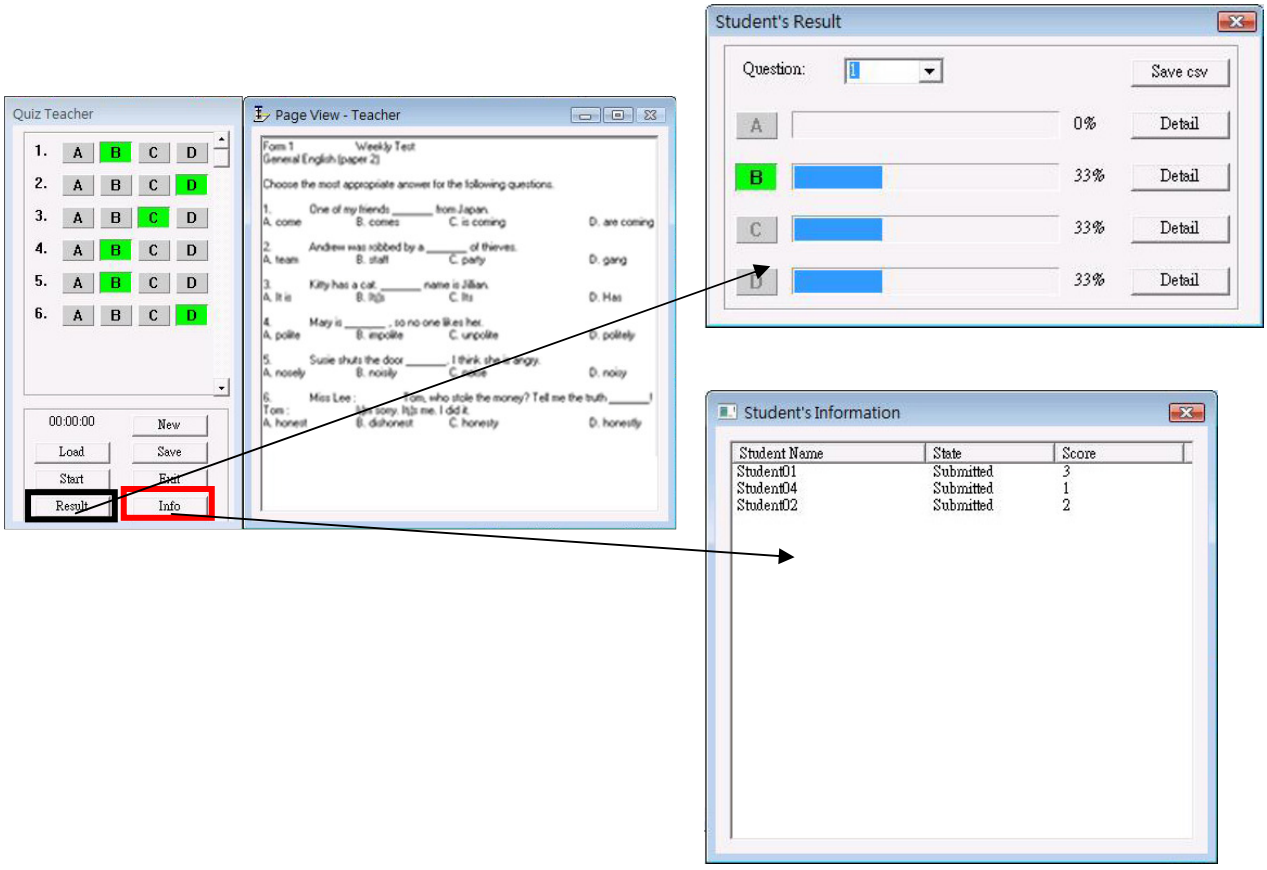
6). Quiz is over! Now teacher may click <Result> in the monitor panel to evaluate the students' know-how on a particular question. Percentage bars reveal the student ratio of the corresponding answer options. Click <Details> to identify the students when necessary. Click <Info> to view the score of the students after the quiz.



Hint: Currently, <Quiz> only supports txt. files, in other words, pictures can hardly be shown in the question plate. But teacher may adapt to it by switching to word documents, spread sheets and web resources to take the place of the default question plate.

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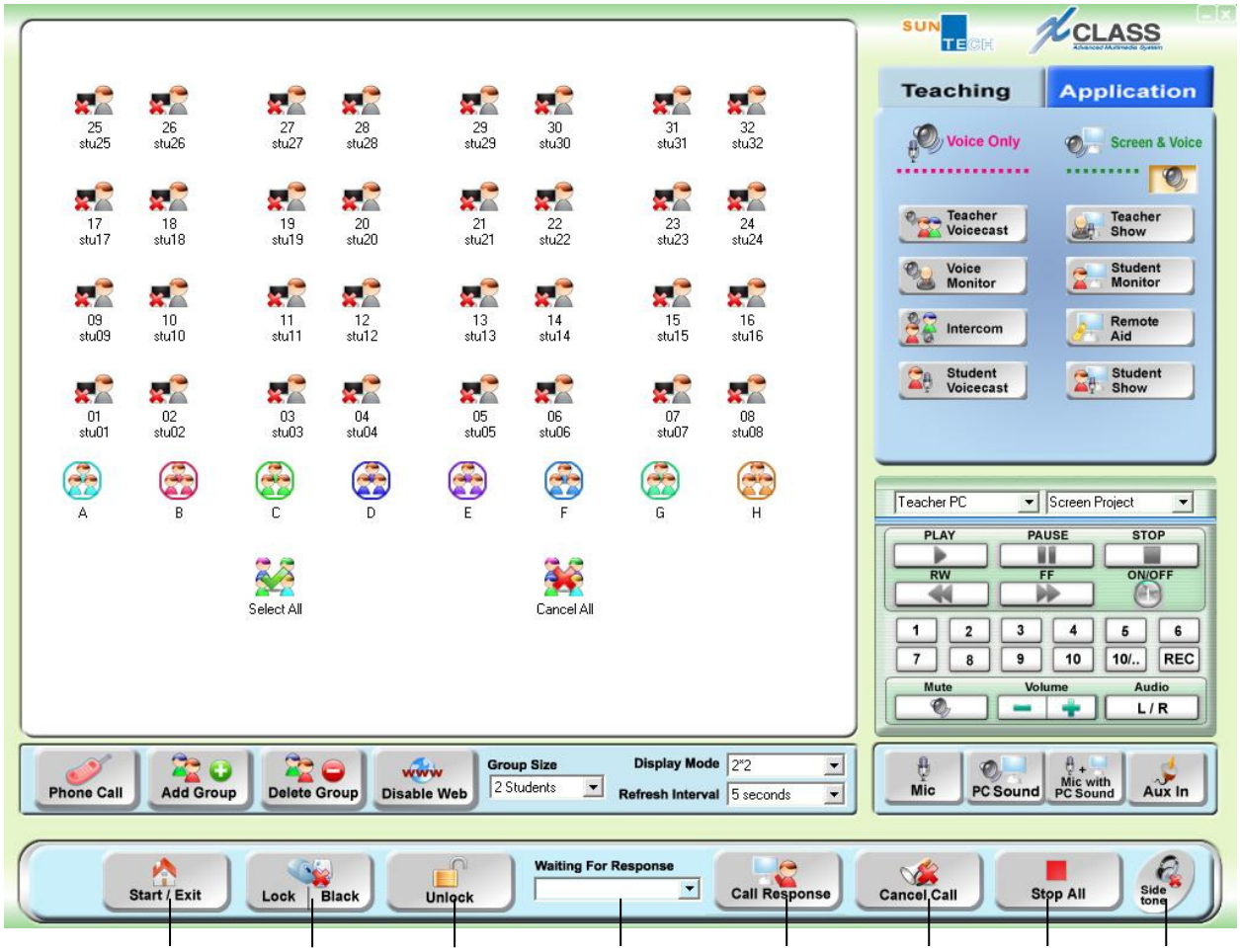
Chapter 3 Administration

<Start/Exit>

Wake-On-LAN	Allows teacher to remote wake up / shut down / reboot student PCs;
Start Lesson	Allows teacher to select and recall seating plan, a “Attendance Registration” box will automatically pop up at students PC for them to edit their name.
Save Attendance	Allows teacher to save the attendance of a class in a excel format.
Class Save/New	Allows teacher to create & save seating plans
Layout Tools	Tools for teacher to change the layout of the seating plan
Class Manager	Allows teacher to delete or rename seating plans.
System Config	Allows teacher to set the preferred settings.

<Grouping>	Allows teacher to group students accordingly.
<Lock> / <Black>	Allows teacher to lock the keyboards and monitors of the students with or without black screens;
<Unlock>	Allows teacher to unlock the keyboards and monitors of the students;
<Call Response>	Allows teacher to have intercom directly with a hand-up student;
<Cancel Call>	Allows teacher to delete the hand-up database;
<Stop All>	Allows teacher to stop all commands;
<Side tone>	Allows teacher to turn off students’ headset side-tone.



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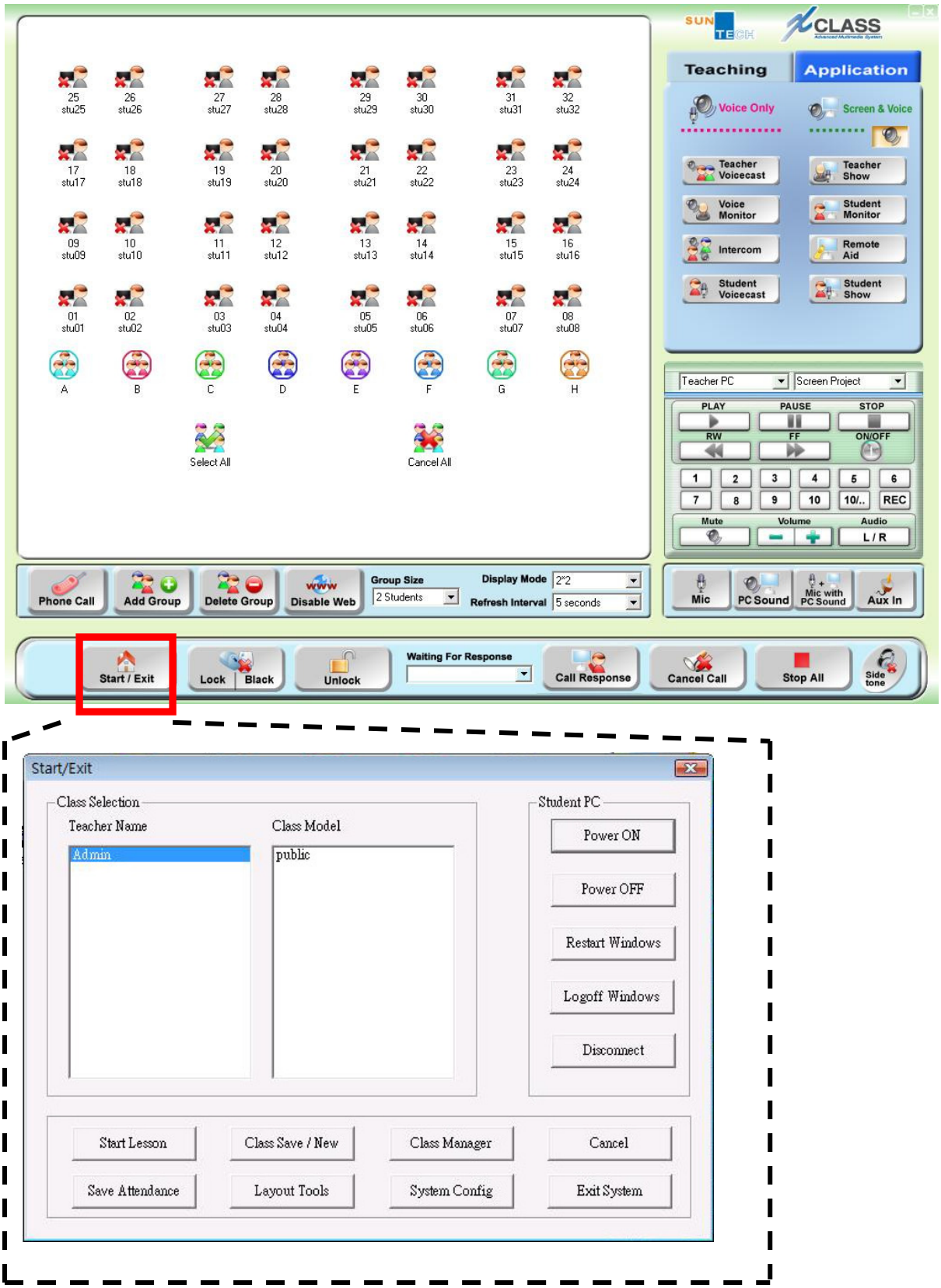
3.1 Start/Exit



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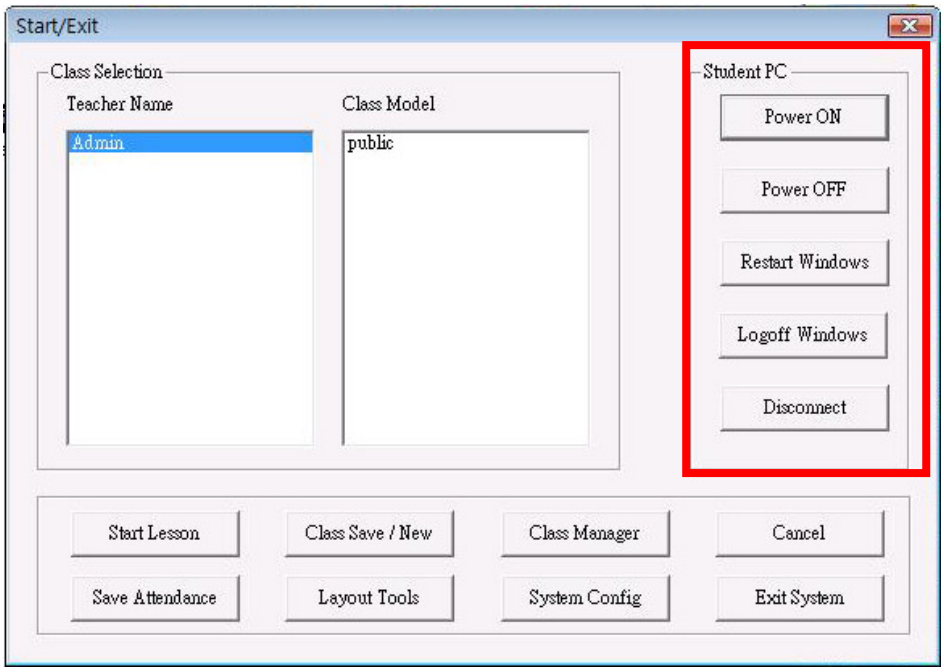
3.1.1 Wake-On-LAN

Wake-on-LAN (WOL) is a function that helps to switch on (wake up), shut down (power off) and restart (reboot) a single, groups or all PCs in the local area network (LAN). Teacher can select the targeted student at the seating plan before pressing the icon Start/Exit.



Click to power on the selected PCs.

Click to power down the selected PCs.

Click to restart the selected PCs.

Click to logoff the selected PCs.

Click to disconnect the selected PCs.

Click to exit the WOL interface.

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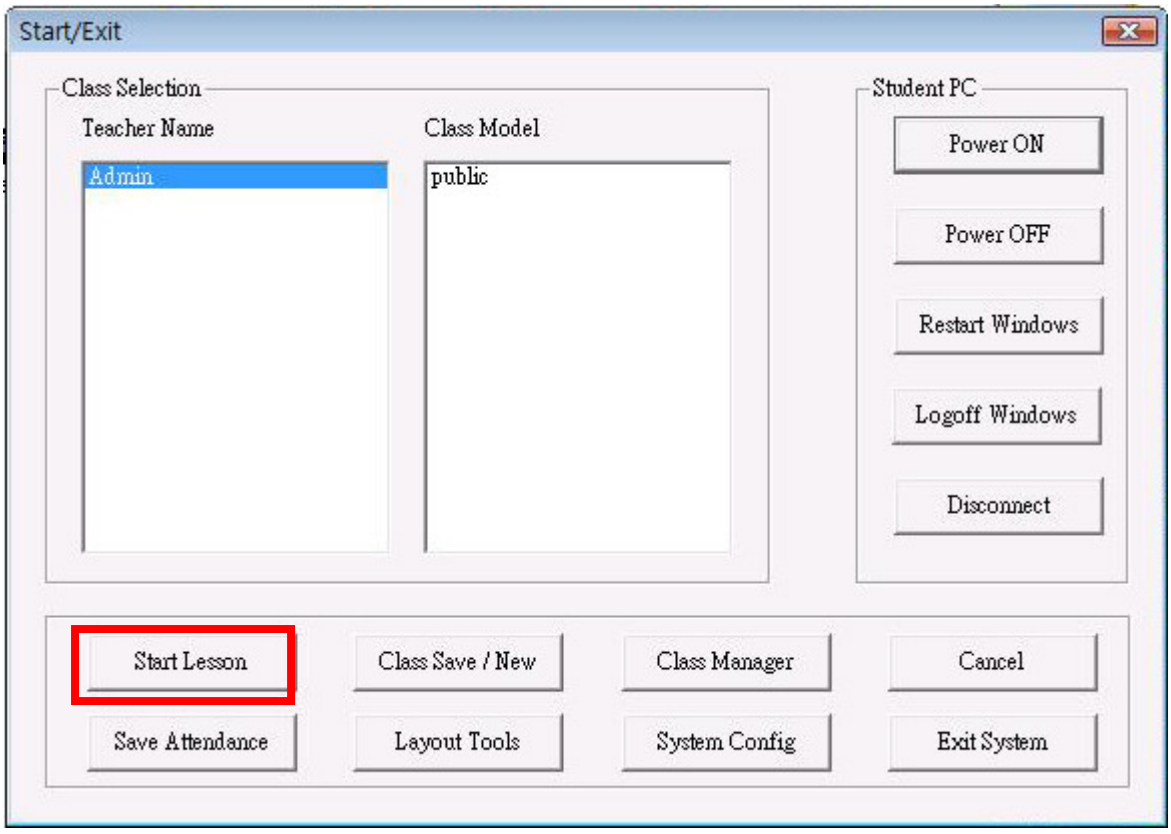
3.1.2 Start Lesson



Before a lesson starts, teacher can easily recall the class seating plan from the “Class Selection”. Please note that a “Attendance Registration” box will automatically pop up at students PC for them to update their names once the lesson starts.

1). Click

from the control panel.

2). Select the seating plan from “Class Selection”, first choose the <Teacher Name>, and then select the <Class Model>.

3). Click

to begin the lesson.

4). A “Attendance Registration” will pop up at student PC screen.

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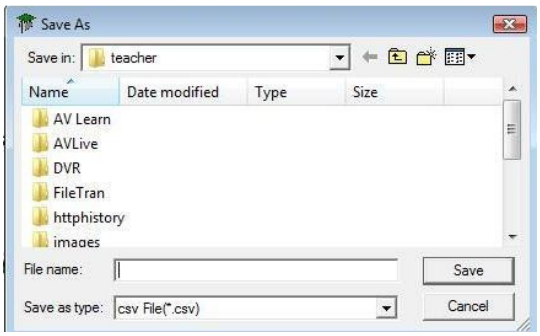
3.1.3 Save Attendance

When a lesson starts, teacher can record and save the attendance of a class in a excel format.

1). Click

2). To record the attendance of the students, simply click

3). Simply create the file name and press <Save> button to save the attendance list to a csv format.



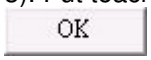
3.1.4 Class Save/New

After editing the seating plan, teacher can save it for further uses.

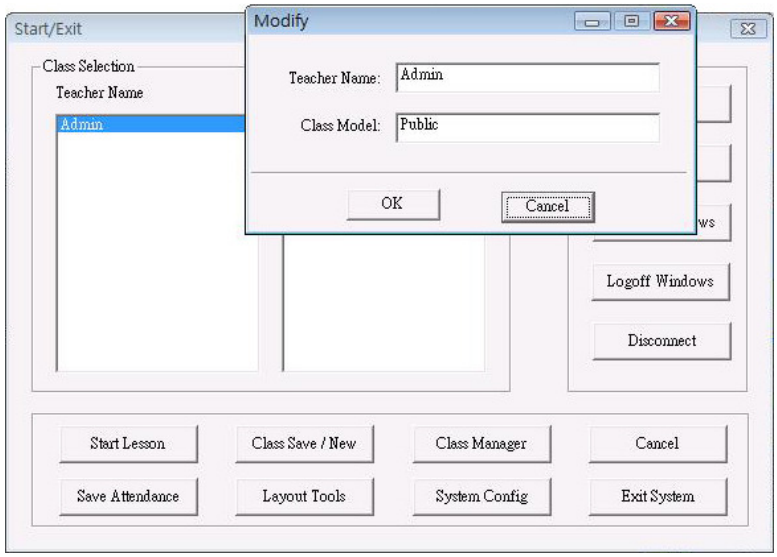
1). Click

2). Click

to save the seating plan.

3). Put teacher's name at the "Teacher Name" box and file name at "Class Model", then press 

to confirm.



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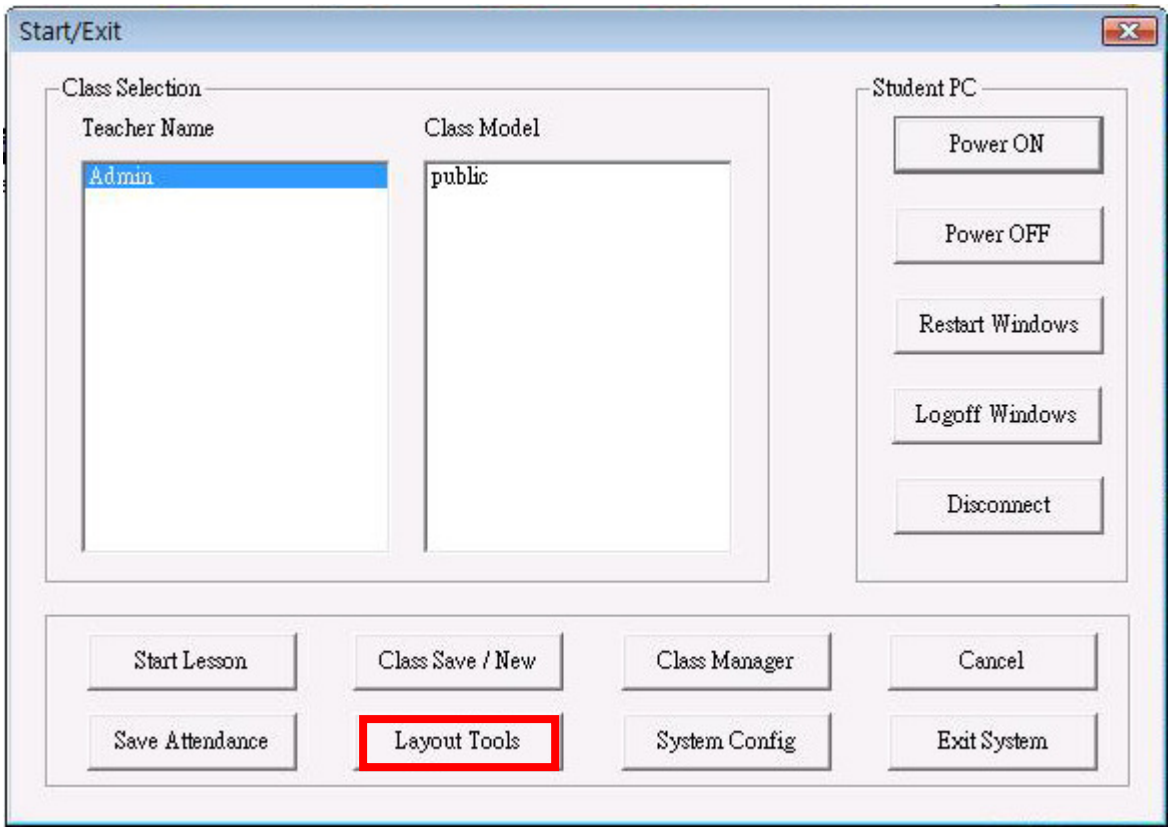
3.1.5 Layout Tools

This is the tool for teacher to change the layout of the seating plan. It is located at the following diagram. Simply use the “Align Toolbar” to align the icons in the seating plan. (Figure 3.1.5)



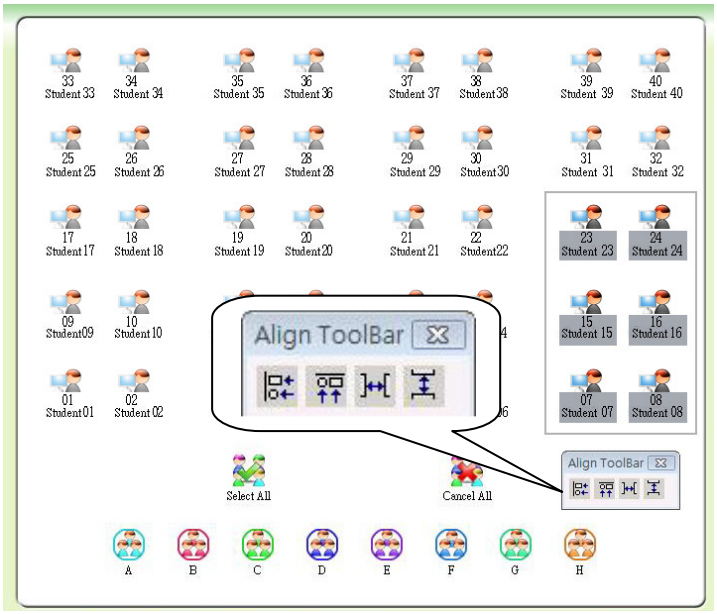


Figure 3.1.5

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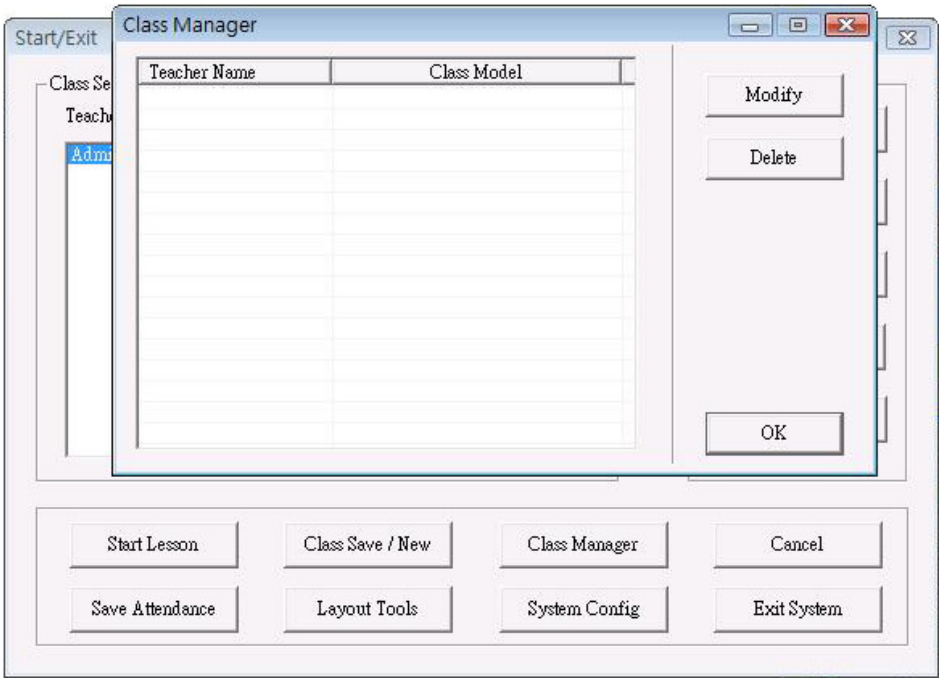
3.1.6 Class Manager

helps teacher to delete or rename the saved seating plans.



1). Click

2). Click

to modify the details of the seating plan.

3). Just select the seating plan that teacher wants to edit, then click

to change the detail information or click

to delete the seating plan.

3.1.7 System Configuration

It is used to set the system with respect to <Default>, <Voice Cast>, <Password>, <Class Model>, <Network>. However, teachers are advised to configure the setting in the <Default> only.

Click

|

Please note that no password is needed for the pop-up box by default. (Figure 3.1.7a)

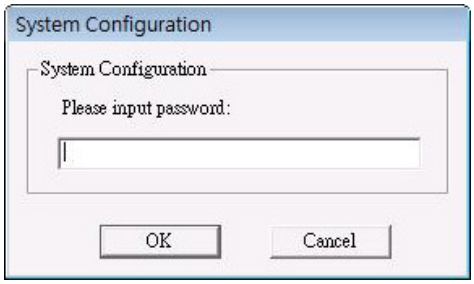


Figure 3.1.7a Pop-up Box

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Under the <Default> column; teacher can configure the setting of “Student Monitor” and “Seating Plan Layout”. (Figure 3.1.7b)

- Screen Monitor - enter the maximum number of screen to be monitored and select monitor to display on; define switching time for monitored screens.
- Classroom Layout - either lock or unlock the icons on the seating plan.

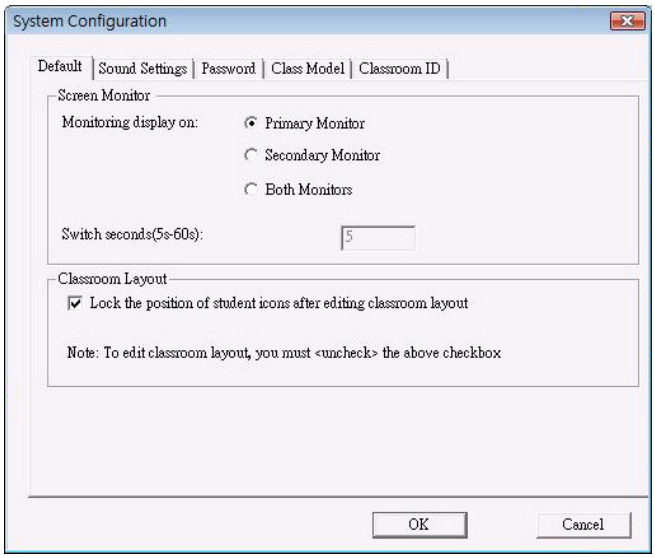


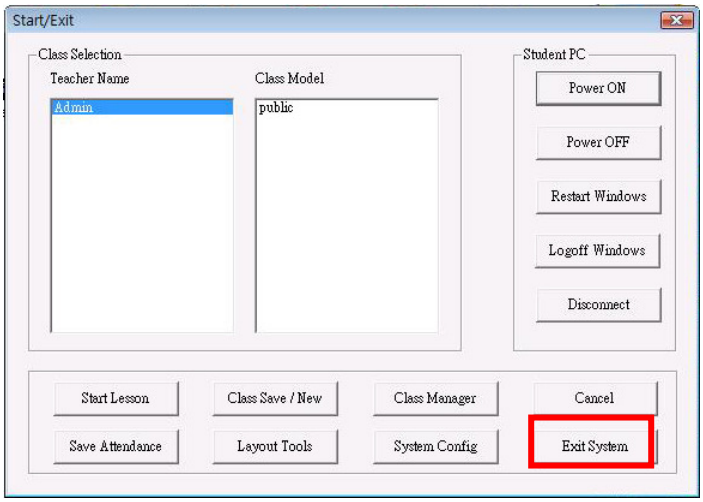
Figure 3.1.7b

3.1.8 Minimize System

To minimize the Teacher console, click the Minimize button on the top right hand corner of the Teacher console to minimize the console on the Windows taskbar.

Exit System

Simply click on the Exit button on the top right hand corner of the Teacher console; OR Go into the System Config,



1). Click

2). Click <Yes> to exit the XCLASS program.

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3.2 Grouping

Grouping is an important step before teacher carries out any activities, such as <Discussion> and <File Transfer>.
Use the “drag and drop” techniques for grouping.

1). Drag to highlight those students teacher wants to be the same group. (Figure 3.2)
2). Drop either one of the student icons to the group icons.
3). Group model could be identified by its colour and information from the student icons.

To select several students at a time, press <Ctrl> from the keyboard as before, it needs to drop either one of the highlighted student icons to the group icons for grouping. The maximum number of group is 11.

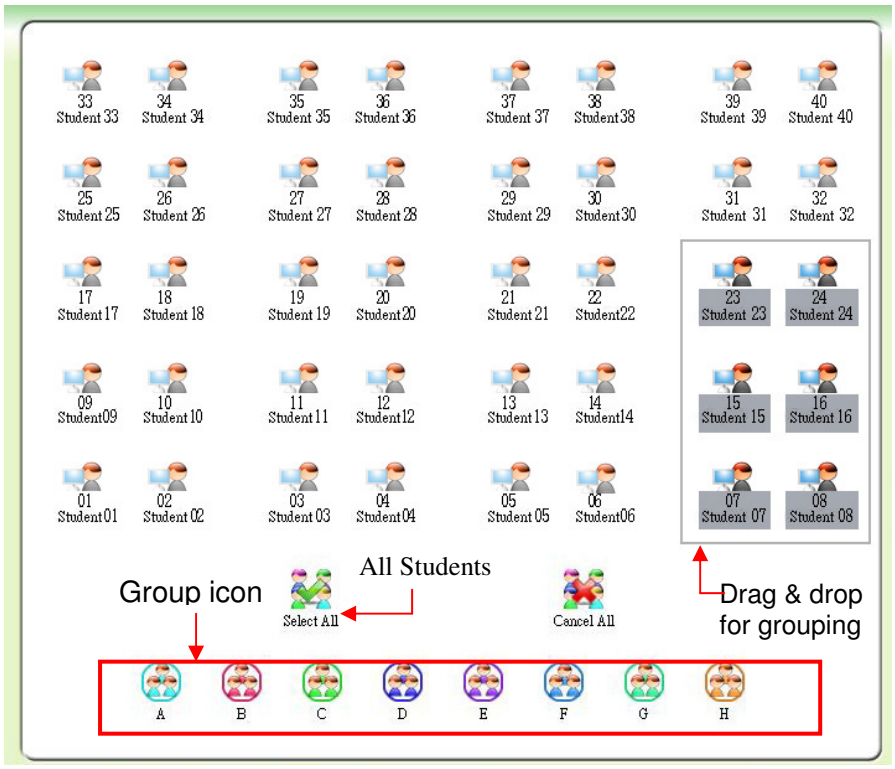

Figure3.2 Grouping

3.3 Lock/Black

With <Lock/Black>, teacher can lock the keyboard and mouse of the students

1). Highlight the student icons that want to lock; it can be one student, groups, or the whole class. If want to lock the whole class, then no need to highlight

2). Click the

button to lock the keyboard and mouse of the students.

3). Click the

button to lock the students PC with black screen.

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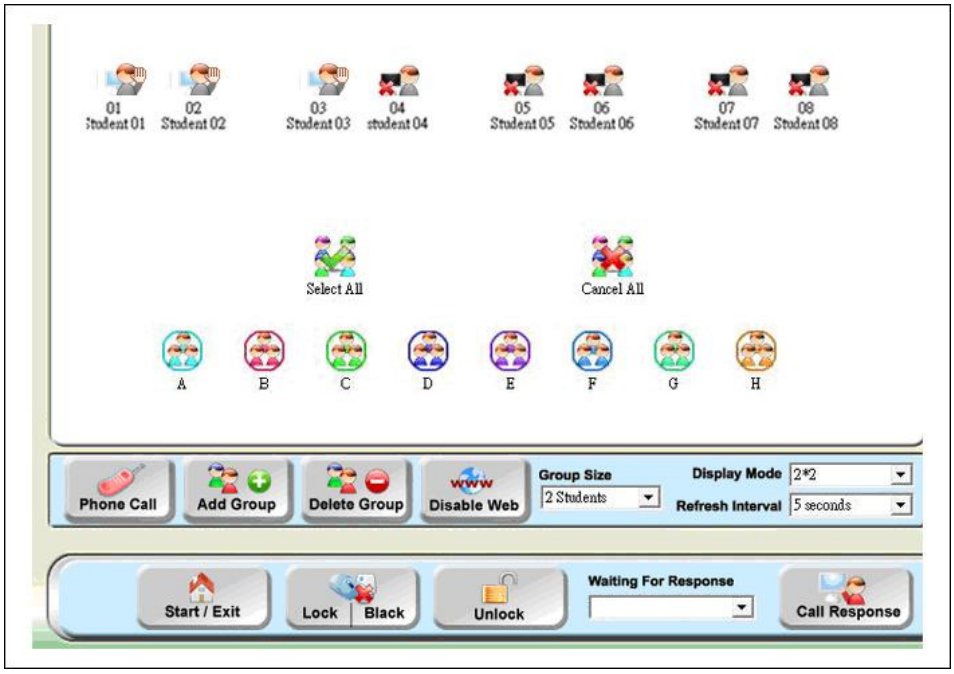
3.4 Unlock

1). Highlight the student icons that want to unlock; it can be one student, groups, or the whole class. If teacher wants to lock the whole class, then no need to highlight.

2). Click the

button.

3.5 Call Response



If any students have questions during the class, they can press **F12** to ask for teacher's help. Teacher will find their "hands" appear at the seating plan, and their names are shown at the below arrow box. (Figure 3.5)

Figure 3.5

To answer the hand-ups, simply follow the steps:

1). Select one of the hand-up students at the arrow box.

2). Click

to begin the intercom function.

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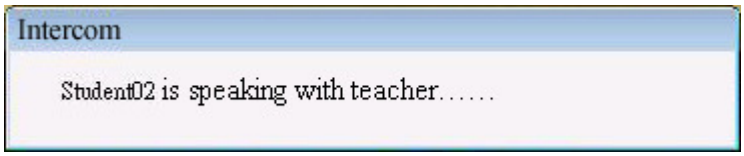
3). An indicated box will automatically appear at the selected student PC screen.



4). To end the intercom, just click the

button at the right hand top corner of the teacher PC.

3.6 Cancel Call

To delete the hand-up information, simply click

3.7 Stop/All

Simply click

to stop all current commands.

3.8 Side tone

To turn off students' headset side-tone, simply click

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3.9 Phone Call

Phone call allows discussion between students. Once teacher start the phone call, student can choose their partner to start the discussion. Teacher can also join the discussion to give comment during students' discussion.

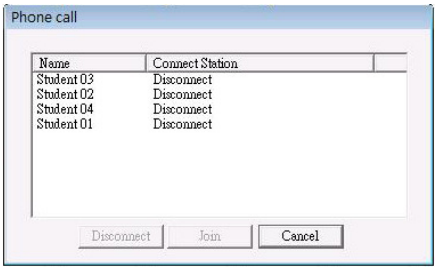

Fig. 3.9.1 Teacher phone call window

3.9.1 Start the Student Phone Call

1) Click the

from the <Main Panel>
2) Phone call window will appear in teaching panel (Fig.3.9.1)
3) Phone call window will appear in student PCs (Fig.3.9.2)
4) Student select the classmate in the window and press "OK" button
5) Student discussion can start now
6) Student can quit the discussion by clicking "Disconnect"

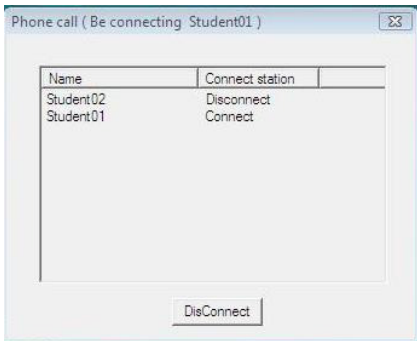

Fig. 3.9.2 Student phone call window

3.9.2 Join the Student Phone Call

1) Select student from the Phone Call window
2) Click

in the phone call window
3) Teacher join in the discussion now
4) Click "Disconnect" to quit the discussion

3.9.3 Disconnect Particular Group

1) Select the group in the Phone Call window
2) Click "Disconnect" to end the phone call of selected group (Fig.1)

3.9.4 End the Intercom

1) Click "Cancel" to end the phone call function (Fig.1)

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3.10 Add Group/ Delete Group

With the “Add Group” and “Delete Group” functions, teacher can arrange the grouping more conveniently in the <Main Panel>.

3.10.1 Add Group

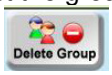
1). Click

to create a new group in ascending order

** Remarks: Maximum of 26 groups can be added. Maximum of 9 students can be added in 1 group

3.10.2 Delete Group

1). Select the group in the <Main Panel>

2). Click 

to delete the group

3.11 Disable Web

Teacher can control student web-browsing activities by using the Disable Web function. Under the setting, teacher can block all student web-browsing activities or only allow student to surf specific website.

3.11.1 Launch Application

1). Click

in <Main Panel>

2). Disable Web window will appear as Fig.3.11.1

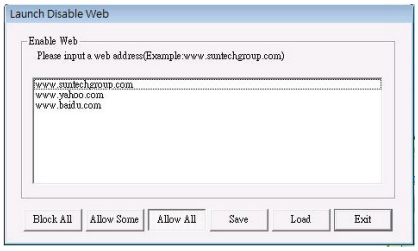


Fig. 3.11.1 Disable web window

3.11.2 Allow All

Allow students to browse all public website.

Click

in the disable web window

** “Allow All” is set as default in the system

4.11.3 Block All

“Block All” is a function restrict student to browse all public website.

Click

in the disable web window

3.11.4 Allow Some

“Allow Some” is a function that partially restrict students to browse public website. Students can only browse specific website in the pre-set list.

1). Edit the list
- Double click the list box in the Disable web window
- Enter the website

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2). Allow student to surf the specific website only
- Select the website in the list box
- Click

in the disable web window

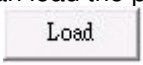
** The list will be automatically saved as default in the next time running

3). Save List

Teacher can save a pre-set list for the lesson by the following step:
- Edit the list (refer to point 1 above)
- Click

in the disable web window
- Enter file name and click "OK"

4). Load List

Teacher can load the preset list into the list box by the following step:
- Click 

in the disable web window
- Select the file and click "OK" to load the pre-set list into the list box

3.12 Random Pairing

Teacher can group student randomly by using the Random pairing.

1) Choose no. of students in the <Main Panel>
2) Click "Random Pairing" in the <Application Panel>
3) Students will be randomly allocated in different groups

3.13 Student Monitor Resolution

For the student monitor features, teacher can choose the monitoring screen size by choosing the resolution list box on <Main Panel>.

1) Click Student Monitor in the <Teaching Panel>
2) Select the Student Monitor Resolution in the <Main Panel>

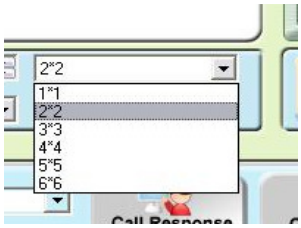


fig 3.13 Student Monitor Resolution Interval

3.14 Student Monitor Refresh Interval

For the student monitor features, when the teacher screen is not large enough to show all student monitor in a particular resolution, the monitor screen will be refresh within certain time interval so as to display all the student that are connected with the teacher PC. You can choose the refresh time interval in the <Main Panel>.

1) Click Student Monitor in the <Teaching Panel>
2) Select the Refresh Interval in the <Main Panel>

** Range of Refresh Time Interval from 5 – 24 seconds

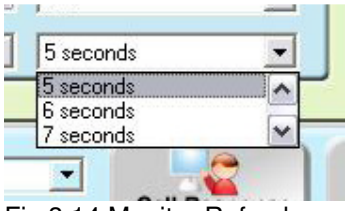


Fig 3.14 Monitor Refresh Interval

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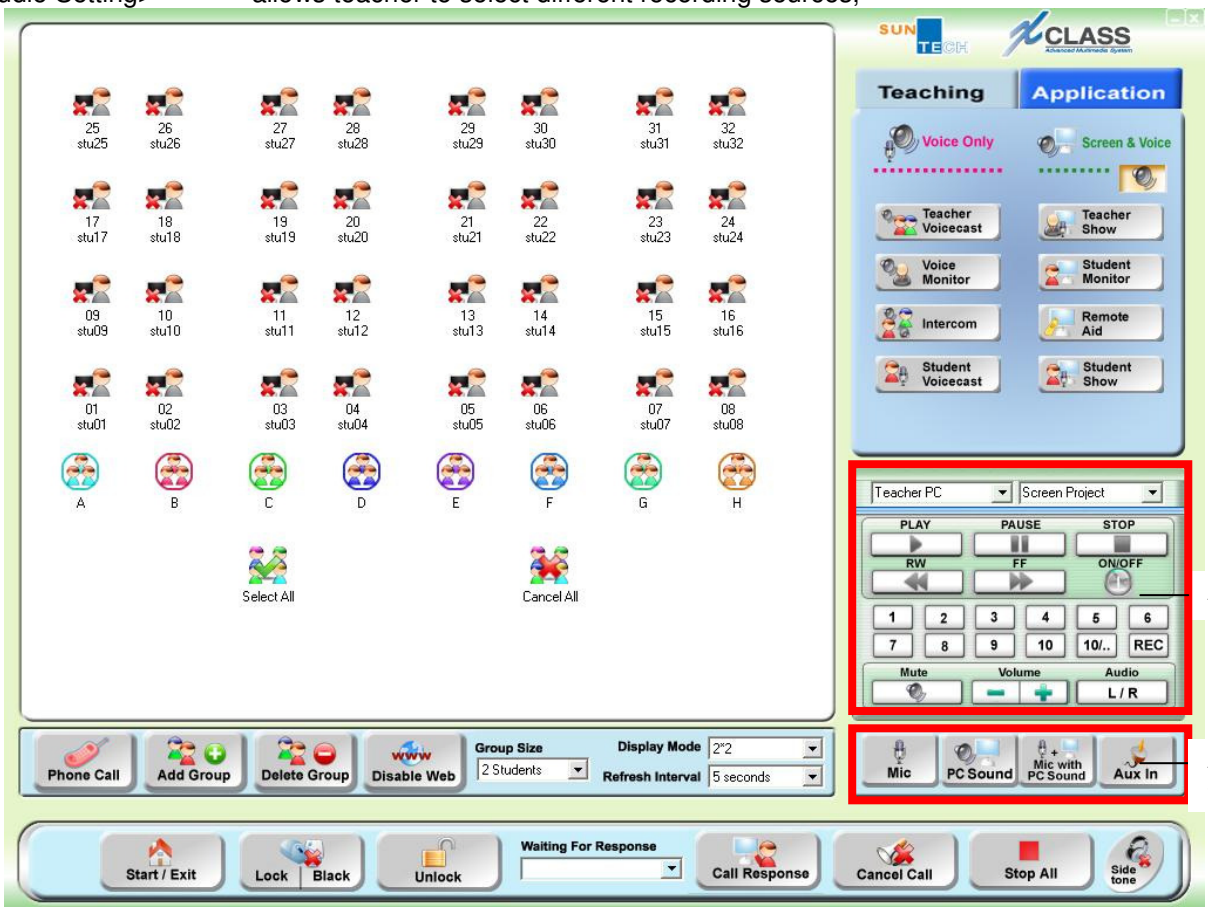
Chapter 4 Video Broadcasting

<AV Control> allows teacher to control AV systems or projector by using AV Control;
<Audio Setting> allows teacher to select different recording sources,



4.1 AV Control

On the issue of performing AV broadcasting, we are actually talking about playing a DVD (or other media that can possibly name of) to the class so that students can watch the content on the monitor screen with the aid of their headsets or merely enjoy a show on the projector screen with the theatre-like stereo HiFi sound. No matter what teacher chooses for the students, broadcasting audio and video media is a core activity. Thus try to set a reasonable learning objective as follow:

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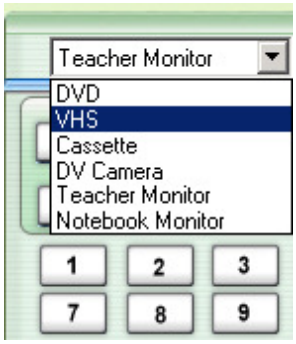
4.1.1 Tools that help to do broadcast

4.1.1.1 AV Control Panel (All-in-One Remote-Control Panel)

Teachers may still feel it dazzling to master a suite of AV equipments whether they do it manually or with the aid of 'numerous' remote control panels. The XCLASS AV Control Panel is specially designed for ease of control. To call for its service, go to XCLASS AV control panel.

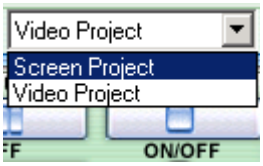
4.1.1.2 How to use AV control

1). Pick the desired <Input> source, either
<DVD> / <VHS> /<Cassette>/ <DV Camera> /
<Teacher Monitor> /<Notebook Monitor>



2). Choose the image project to the projector screen, either < Screen Project > or < Video Project >.

- The option < Screen Project > projects the teacher PC screen to the projector screen.
- The option < Video Project > projects the selected AV signals to the projector screen.



Remark: Input/Output Channel menu items can be updated in "AVControl.ini" file.

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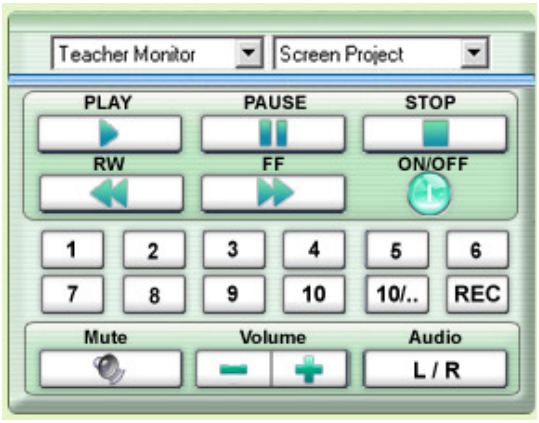
Operate the AV equipments by switching to the AV control panel (as shown below)



for <Power On/Off> the input AV equipment..,

to mute the sound comes out from speaker,

to adjust the noise level of the amplifier (speakers),

to select stereo or mono signal

4.1.2 To Broadcast AV Media to Projector

1) Click the desired AV device from the <Input Devices> console for broadcasting.
2) Select <Video Project> icon from the <Output Devices> console.
3) Click <Play> button to play the media.

Notes: By default, once teacher chooses to broadcast via a projector, audio signals come out simultaneously through the classroom speakers in real time.

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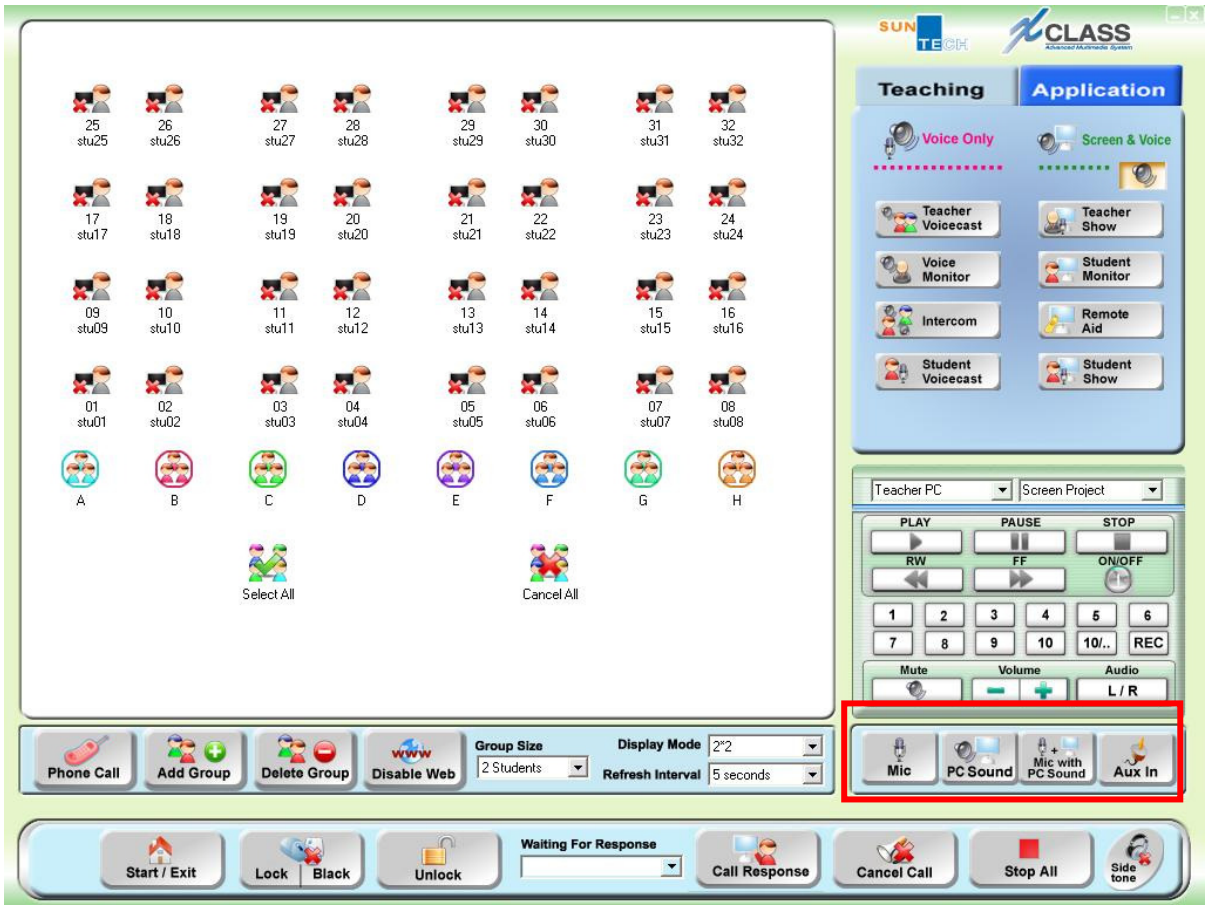
4.1.3 To Broadcast AV Media to Student PC

Since the CD-ROM player in the teacher PC does not support DVD format directly. When teacher have media like DVD and videocassette, it needs to play them by the AV equipments in the AV cabinet.
Get full control of all AV equipments in the AV cabinet by <AV Control Panel> and broadcast what teacher plays to the student PCs. In this context, teacher need to operate <AV Control Panel> and <VBS Media Player> (refer to Chapter 2.2 for Live Video details) simultaneously.

Operate <AV control> and <VBS media player> to broadcast

On choosing the right input/output devices at the AV control, switch to <AV Live> to broadcast selected AV signals to student PCs.



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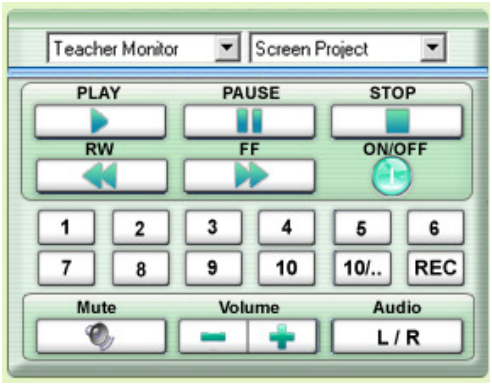
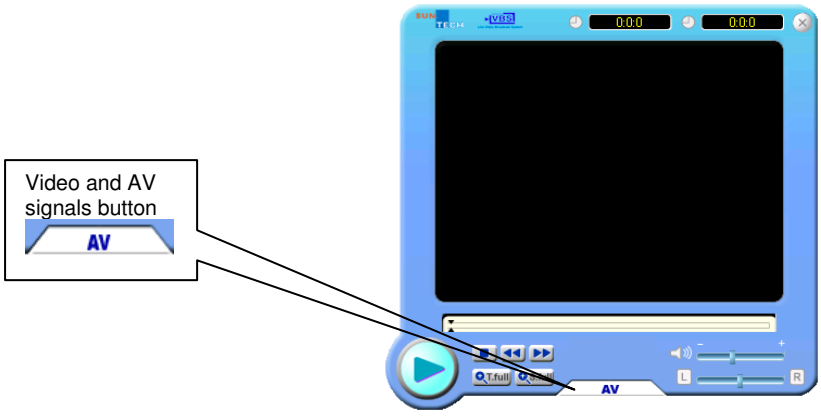
1). Pick the desired Input device either DVD, VCR or DV camcorder by selecting the menu as named. Operate the AV equipments by using the <AV Control Panel>.



2). Prompt to the <VBS Media Player> by clicking <AV Live> in the XCLASS control panel.



3). Click

to divert the AV signals to the media player, the students PC will automatically receive AV signals once teacher click “AV” button.

Notes: Student PCs will receive AV signals only when the <AV Live> function (VBS) is activated. Teacher can select the signal projects to the projector screen, either select Screen Project or Video Project.

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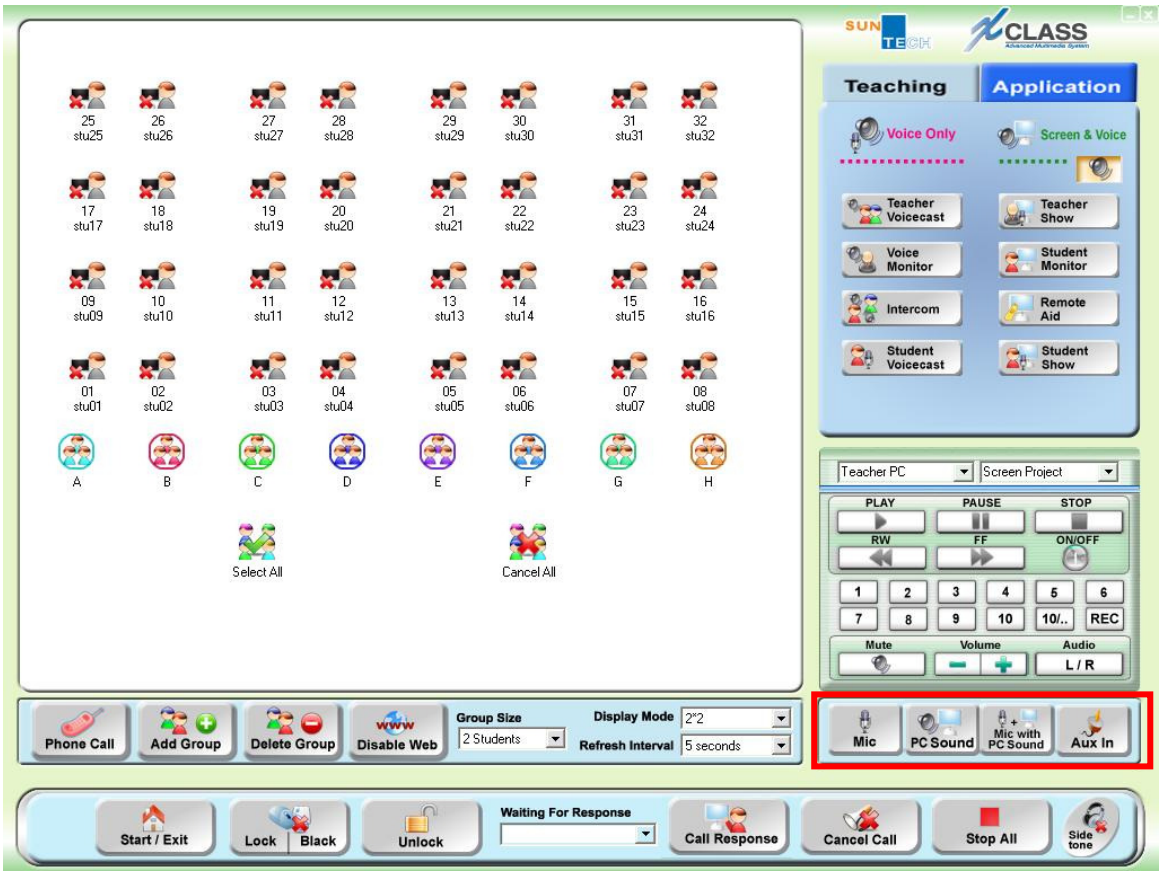
4.1.4 Audio Media Player (Teacher Voicecast + Appropriate Audio Setting)

To broadcast **mere** audio signal, i.e. cassette, CD media, to the selected student PCs, Teacher are recommended to use the <Teacher Voicecast> function with the aid of an appropriate audio setting. (Instead of using VBS media player, which is originally designed to broadcast video media). In the <Teacher Voicecast> environment, only audio signals are delivered from teacher PC to the students. Students can listen to the songs, a piece of dialogues or even the instructions given by the teacher through their headsets as long as the teacher selects the desired input and setting.

To prompt the service, again, click <Teacher Voicecast> from the control panel and select the desired audio setting from the control panel



Select the appropriate audio setting accordingly. For more on audio settings, please refer

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4.2 Audio Settings

Audio Settings (Figure 4.2a) locate at the right hand bottom corner of the control panel; it is used to choose different broadcasting sound sources while using Teacher Voicecast, Teacher Show and Virtual Recorder function.

Figure 4.2a

1). Choose

from the control panel to let students to receive teacher own voice (from headset).

2). Choose

from the control panel to let students to receive teacher PC's sound.

3). Choose

from the control panel to let students to receive teacher's microphone with PC's sound.

4). Choose

from the control panel to let students to receive AV voice sources.

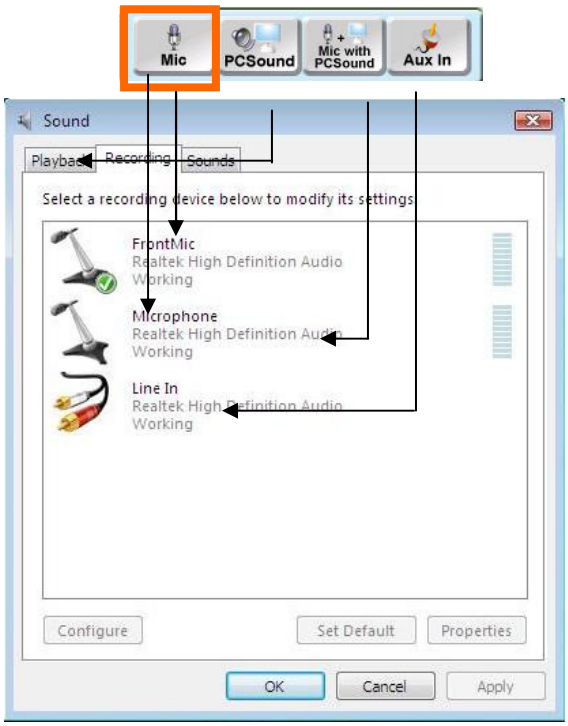

Figure 4.2b

Actually, the audio settings are used to match the sound card setting, i.e. If teacher clicks "MIC", the "Mic Volume" control at "recording control" layout (Figure 4.2b) will be automatically selected, that's why students can receive teacher own voice via headset.

Technical Remark:

Note: To ensure the audio setting is workable, please directly go into "Start/ Exit" → "System Config" → "Sound settings" → "Volume and Recording Control Analysis" session. (Figure 4.2c)

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1) Select the “Sound Card Record Source Control for Teacher Computer” option.
2) Select the sound card with Line-in channel.
3) Click the “Analysis” button for Audio Record Source Mapping. (Figure 4.2d)

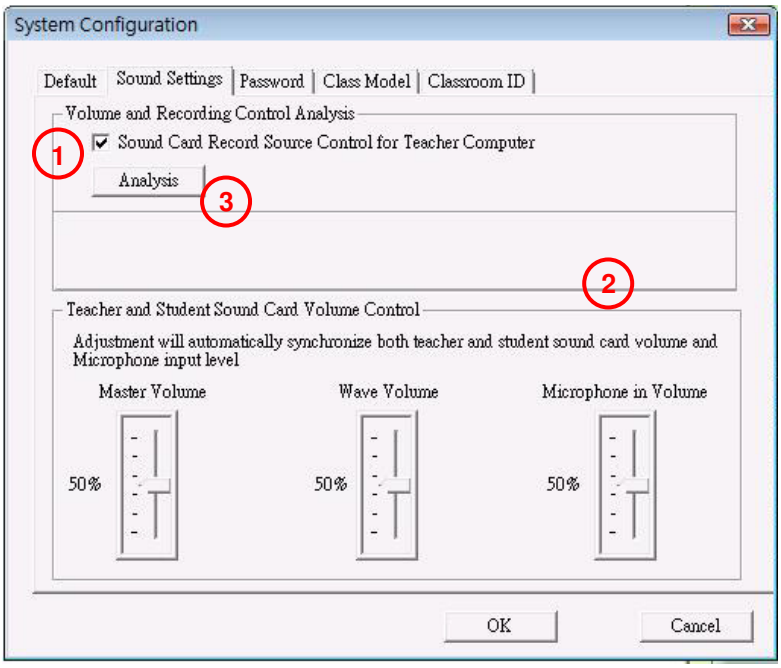

Figure 4.2c

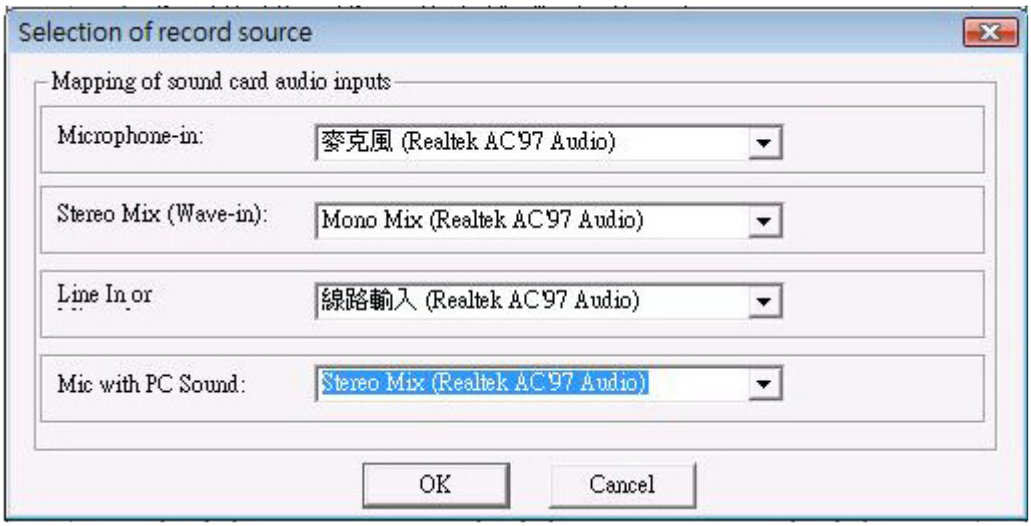

Figure 4.2d

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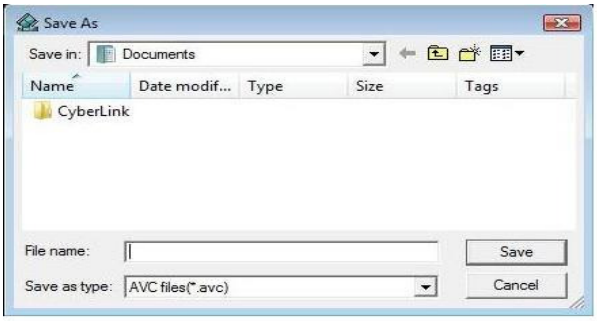
Chapter 5 Screen Record & Replay

5.1 Screen Record

Screen Record function allows teacher to record the computer operation of teacher's screen and sound as a video file for the purpose of lesson preparation and session review. This function is very useful for teacher having repeated classes to different students.

1). Click <Screen Record & Replay> icon on the desktop or select application from the Start menu.
2). Select <Start Capture> from the <Open> menu. The following dialog box will prompt. Select a directory and input name where you would like to screen recorded to be saved, and click <Save> to start recording. The file format that is saved under Screen Record is "*.avc".



3). Select appropriate record source if you want to record the voice with the screen motion.
4). The quality of recorded screen can be adjusted under <Setting> of <Open> menu.
5). Click <Stop> icon to finish screen recording.

Remark:
<Screen Record & Replay> function is only available while XCLASS Teacher program is running.

5.2 Screen Replay

Recorded Screen can be played back in class by students themselves and for screen broadcasting by teacher.

1). Click <Screen Playback> from the Start menu
2). Select <Open File> from the <Open> menu
3). Select a recorded file to play (*.avc format) and click <Open>
4). While playing the file, you may select <Full Screen> for full screen display and <Exit> for closing <Screen Playback> function from <Open> menu.
5). In teacher side, by default, the recorded screen playback will be shown as a window on teacher screen. If teacher would like to playback recorded screen and broadcast to students, click <Teacher Show> function.

--- End of Document ---

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